

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

62.51

OCT 9 1919 *



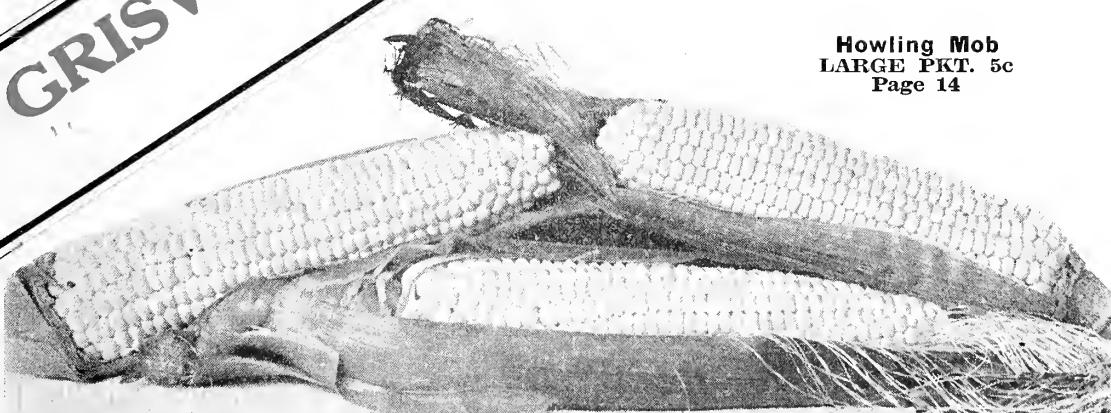
1916

GRISWOLD SEED & NURSERY CO.
Lincoln, Nebraska

TWENTY-SIXTH
ANNUAL

LINCOLN
BRAND
SEEDS

Howling Mob
LARGE PKT. 5c
Page 14



General Directions to Customers

OUR CONSTANT AIM IS TO MAKE THE HIGHEST QUALITY THE FIRST CONSIDERATION, AND NEXT, TO PUT OUR PRICES AS LOW AS GOOD SEED CAN BE SOLD

The best time to order is just as soon as you received this catalog. We can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use the enclosed order sheet, as it makes it more convenient for us in filling orders. You will note it can be used on both sides. Please write as plainly as possible, as it helps avoid making mistakes in filling your orders.

TESTED SEEDS. For several years past we have tested all garden, field and grass seed. We have a large tester, built according to the plans approved by the Government Department of Agriculture. The value of tested seeds to the buyer cannot be over-estimated. It is an assurance to you that the seed is full of vigorous life and vitality, and that if you plant under proper conditions and follow our instructions you will not be disappointed.

ERRORS. We exercise the utmost care in filling orders, striving to do a little more than we offer; yet in the press of business errors sometimes occur, in which event we wish to be promptly notified of the fact and will make such corrections as will be satisfactory. Please keep copies of all your orders for comparison.

OUR TERMS are cash with order. We cannot ship C. O. D. unless you remit at least one-fourth the amount of the order. It always costs you extra for goods to come that way. We will take your personal check if you add 15 cents for exchange, but will hold order till banks report checks paid. Better send us Draft, Money Order, or Registered Letter. We always refund your money if we cannot fill order.

MARRIED WOMEN will save confusion in correspondence by always using husband's initials.

YOUR ORDER is acknowledged the day it is received, and filled just as soon as possible.

HOW WE SHIP. We ship all heavy goods by freight at your expense, unless otherwise instructed. We send you duplicate bill of lading, showing date, number of bags sent, and route. All plants and perishable goods are sent only by express at your expense, unless quoted "prepaid," in which case we send by mail or prepaid express, and notify you.

SAFE ARRIVAL. We guarantee all goods except sweet potatoes to arrive safely and will refund you for any loss providing you have Agent make notation of such loss on expense bill and return it to us. This applies on Irish Potatoes if time of shipment is left to our judgment.

We also guarantee all seeds that we send out at catalog prices to be carefully selected, and tested. We are always pleased to make good any mistake, but all complaints must be made within 15 days from receipt of goods. On account of weather conditions, etc., we cannot guarantee the crop. You can have the Experiment Station test any of our seed and if not satisfactory will take it back and refund to you.

OUR RESPONSIBILITY. We have been in business here for 26 years. We would be pleased to have you write (enclosing stamp) any bank or business firm here in Lincoln as to our standing.

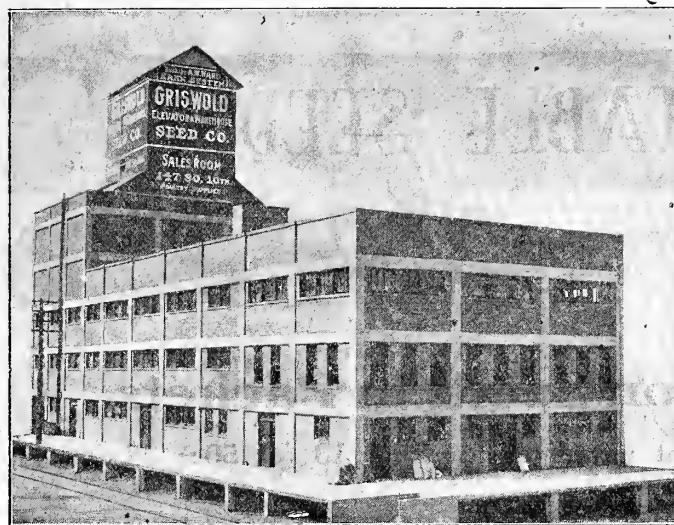
LARGE ORDERS. Any Market Gardener, Association, or individual requiring large quantities of seeds, are invited to write for special prices. Although we have made our prices in this catalog very low, yet when a considerable quantity in pounds or bushels are wanted, we are in a position to supply at a lower price than by the single pound or bushel. We wish it to be distinctly understood, however, that we will not sacrifice quality in so doing. Mail us a list of your wants, and we will submit to you our lowest cash price for the lot.

FALL CATALOG. Our fall catalog will be ready about July 1st. It is brimful of seasonable seeds to plant during the summer and autumn months. Don't fail to write for a copy if you do not receive one.

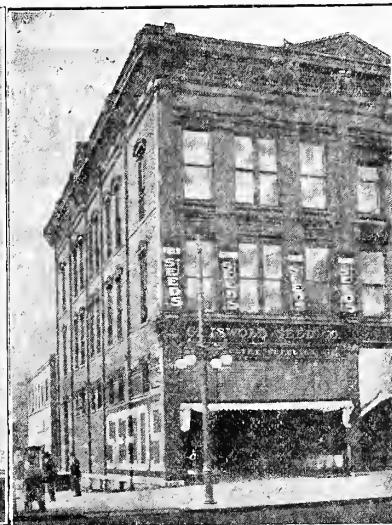
ORDERS WITHOUT MONEY OR ADDRESS. Every year we get hundreds of orders from our customers unsigned. We have at present on our files a number of orders for various amounts, which we are unable to send out as we don't know where to forward them. Every day or so we get a long letter of complaint from some customer, upbraiding us for not sending his seeds promptly. Then we get real busy with this file and endeavor to locate the order. Often it is a hard proposition. So, if you do not hear from us within a reasonable length of time after you mail your order, send us a duplicate order, naming the date on which the former order was sent, the amount of money enclosed, and in what form. We want to satisfy you and don't want you to complain about our service—if we can help it.

DISCLAIMER. As seeds, plants and bulbs are subject to climatic and other conditions over which we have no control, after once being placed in the ground, therefore, Griswold Seed & Nursery Co. give no warranty, expressed or implied, as to description, quality, productivity or any other matter of any seeds, plants or bulbs they send out and they will not be in any way responsible for the crop, and every order for seeds, plants, and bulbs named in this catalog will be executed on these conditions only. If the purchaser does not accept same on this terms they are at once to be returned.

FREE SAMPLES. We are always too glad to send you free samples of Corn, Grass Seed, etc., for testing purposes. You are not imposing on our good nature when you ask us to send you these samples, for we know the quality of the samples will bring us your big order.



This is our warehouse where we clean and store the immense seed stocks that are required to fill your orders.



This building is devoted to taking care of and shipping your orders.

To Our Customers:

No doubt you have been watching for this catalog for the past six weeks and wondering why we did not send it. The reason briefly stated is this: Our company has been going through a process of reorganization, and we are very glad indeed to inform our thousands of customers everywhere that the reorganized company, which still has the same competent seedsmen at the head who were at the head of the old company, are in better shape to fill your seed orders than ever before. The name of the new firm is Griswold Seed & Nursery Co. We have always considered the selling of seed more than a mere barter of merchandise. One dealer stands as good a chance as another to sell seeds at least once to a customer, but the chance to win favor and hold customers year after year is surely with the dealer who does his best to deliver just what he sells. For 25 years we have tried to make each year's service more nearly ideal than the year before.

Very much more opportune and remarkable than anything we can say about ourselves are the many good things our thousands of customers have said and continue to say about us. They appreciate our untiring efforts, our strictly business catalog, and in fact, every detail that goes to make up the Griswold service.

Good seeds are always the cheapest. They must be of high germination, pure, reliable, trustworthy and absolutely dependable. That is the thought we wish to bring to you in placing this new book of ours in your hands. You will find this catalog worth reading and believing. We hope you will find it helpful, not only in putting you in touch with good seeds, but in information and advice which we have endeavored to give you wherever the opportunity has presented itself.

Our book is prepared, printed and distributed to serve you as well as to sell our seeds. On that basis we invite you to look it over. We wish you success and happiness every minute of 1916.

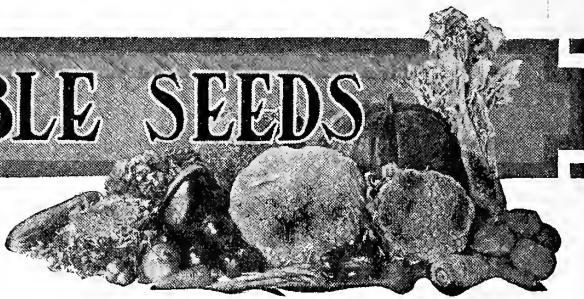
GRISWOLD SEED & NURSERY CO.

A SPECIAL FAVOR

If you receive more than one copy of this Book we shall esteem it a favor if you will hand the extras to friends or neighbors who you think would be interested in Good SEEDS.

VEGETABLE SEEDS

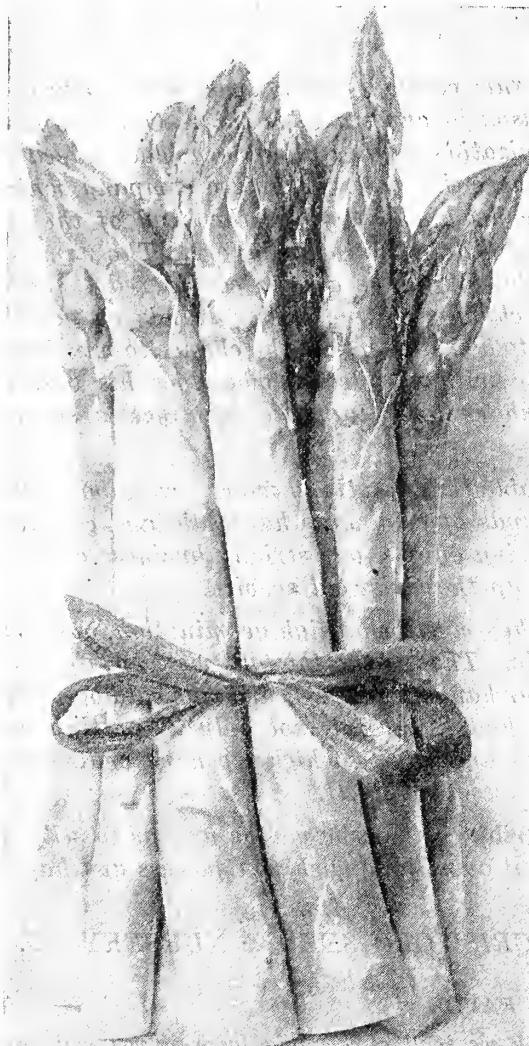
At prices named we pay postage on
Seeds by Packet, Ounce, Pound,
Pint, Quart.



Discount on Seeds in Packets

Any six of our large 5 cent packages for 25c; 13 for 50c; 28 for \$1.00

NOTE: Please Order Collections by Number. Collections cannot be broken.



PALMETTO

Asparagus

One ounce to 50 feet of drill; 5 pounds to the acre

Sow in March or April, in good mellow soil, after soaking the seed 24 hours in warm water, in drills one foot apart, and one inch deep. During the summer keep the soil mellow and free from weeds, thinning the plants to 4 inches apart. The following spring transplant into permanent beds that have been deeply dug and highly manured.

BARR'S MAMMOTH. An early, large-stemmed, green variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c; postpaid.

COLUMBIAN MAMMOTH WHITE. Produces white stalks of large size and finest quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c; postpaid.

CONOVER'S COLOSSAL. A mammoth, green sort of the best quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c; postpaid.

PALMETTO. An early, green sort, prolific and very desirable. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c; postpaid.

Asparagus Roots

The ground should be well manured and deeply spaded, the roots planted two feet apart, one foot apart in the row, and at least six inches deep. These will be ready to use in two or three years. 15c per dozen; 50 for 60c; 1.00 per 100, postpaid. 35c for 50; 60c per 100, by express at your expense.

ASPARAGUS CULTURE

A book giving all possible details as to Growing, Soil, Marketing, Canning, etc., for home use or market, 174 pages. Cloth, 50c; postpaid.



GOLDEN WAX BEANS

row. Up to the time of blossoming they should have frequent shallow cultivation. Never hoe when the vines are wet, as the pods will become discolored. For succession plant every two weeks. If by express at your expense deduct 8c per pint; 15c per quart. For prices on larger lots see our Market Gardeners' Price List, pages 40 and 41.

Bush or Snap

WAX or YELLOW POD VARIETIES

GOLDEN WAX. A standard sort. One of the earliest beans in the market. The pods are of good length, flat, but quite thick and broad. They are waxy, golden yellow, and of fine, buttery flavor. Hardy and productive. Price, pkt., 5c; pt., 45c; qt., 75c; postpaid.

IMPROVED GOLDEN WAX. Pods are thicker than those of Golden Wax, and of better quality. Price, pkt., 5c; pt., 45c; qt., 75c; postpaid.

GERMAN BLACK WAX. A popular variety; pod a waxy yellow, solid, tender, almost transparent, stringless, seeds when ripe jet black. Price, pkt., 5c; pt., 45c; qt., 75c; postpaid.

CURRIES RUST PROOF WAX. The vine is very vigorous, hardy, and an early and abundant bearer. The pods are long, flat and straight, and of a light yellow color. The beans when ripe are a bluish black. It is an excellent shipper. Price, pkt., 5c; pt., 45c; qt., 75c; postpaid.

DAVIS' KIDNEY WAX. The large beans are pure white, kidney shape, excellent for cooking, green or dry. The pods while young are stringless, tender and of excellent flavor, very long, straight, flat, and clear, waxy white. Very productive. Price, pkt., 5c; pt., 45c; qt., 75c; postpaid.

WARDWELL'S KIDNEY WAX. Pods long, flat, nearly straight, white, handsome and of good quality. One of the very best beans, large, kidney-shaped, white with dark markings about the eye. Price, pkt., 5c; pt., 45c; qt., 75c; postpaid.

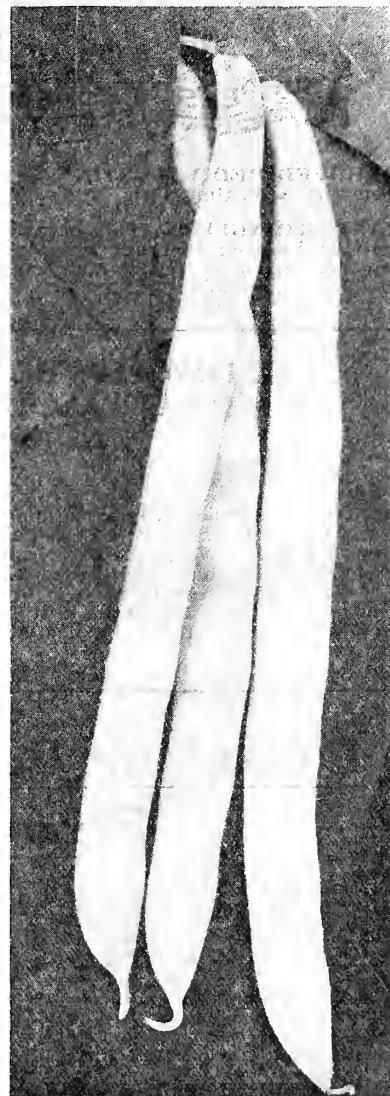
ADMIRAL TOGO. This grand bean is a wax podded sort with wonderfully handsome and attractive pods averaging 6 inches in length and of an unusually desirable shade of yellow. The table quality is delicious, having a peculiar delicate flavor which so pleases the consumer that he soon learns to ask for "Togo's." This sort is usually free from rust and other diseases. One customer writes that he had a strip of them between Valentine on one side and Davis' Wax on the other, and that while these two sorts were badly damaged, the Admiral Togo was perfectly clean and healthy. Its extreme earliness is also a valuable characteristic, coming, as it does, only about three days behind Extra Early Red Valentine. Last season it came into market eight days earlier than Davis' Wax. In productiveness the Admiral Togo is a wonder. The Valentine is usually regarded as a wonderful cropper, yet Togo averages 15 per cent more bushels of marketable pods to the acre. The Admiral Togo is a grand combination of Extreme Earliness, Wonderful Productiveness, Exquisite Quality and Disease Resistant. We highly recommend it. Price, pkt., 10c; pt., 60c; qt., \$1.00; postpaid.

Beans

Earliest varieties, ready for table in 40 days; 1 pint to 10 feet of drill; 1 bushel per acre.

NOTICE. Owing to almost a complete failure of the Bean Crop the past two seasons, making it impossible to procure enough at any price to supply our trade, we are compelled to raise our prices slightly.

The soil best adapted to beans is a light, rich, well-drained loam, which was manured for the previous crop. Beans are extremely sensitive to both cold and wet and it is useless to plant them before the ground has become dry and warm. The largest returns will result from planting in drills from two to three feet apart and leaving the plants two to six inches in the



ADMIRAL TOGO



IMPROVED RED VALENTINE. Early and prolific. Pods are remain a long time with Pkt., 5c; pt., 45c; qt., 75c; postpaid.

GIANT STRINGLESS. This extra early variety is exceedingly productive, bearing round green pods 6 to 7 inches long, very meaty, extremely crisp and absolutely stringless throughout the entire season. Pkt., 5c; pt., 45c; qt., 75c; postpaid.

GRISWOLD'S BEST 4 BEAN COLLECTION NO. 1

15c; POSTPAID

Four of our best beans for home gardens are our Stringless Green Pod, Wardwell's Kidney Wax, Old Homestead or Kentucky Wonder Pole Bean and Henderson Bush Lima. All of these are illustrated and described on pages 3, 4 and 5. We will send you by mail one 5 cent packet of each of these 4 varieties postpaid for 15c. This is your chance to have these 4 splendid varieties at the lowest cost.

Dwarf Green Pod Beans

BURPEE'S NEW STRINGLESS. One of the best stringless green-podded beans in cultivation. The pod is round, full, large and straight. In quantity it is superior to most other Bush Beans. Pkt., 5c; pt., 45c; qt., 75c; postpaid.

LONG YELLOW SIX WEEKS. Hardy, early and productive. A standard sort. Pkt., 5c; pt., 45c; qt., 75c; postpaid.

REFUGEE. (Thousand to One.) Most prolific green-podded sort, thick and fleshy. Especially desirable for pickling. Pkt., 5c; pt., 45c; qt., 75c; postpaid.

WHITE MARROW. Good shelled, either green or dry. Pkt., 5c; pt., 45c; qt., 75c; postpaid.

LITTLE WONDER NAVY. Valuable for field culture; very prolific, excellent dry bean. Pkt., 5c; pt., 40c; qt., 65c; postpaid.

remarkably fleshy and tender, and



Dwarf or Bush Lima Beans

THE BUSH LIMAS ARE QUITE DESIRABLE FOR THE GARDEN, AS THEIR CULTIVATION DOES AWAY WITH POLES. THESE SHOULD BE PLANTED EDGEWISE WITH THE EYES DOWN AND TWO INCHES DEEP. PLANT JUNE 1.

HENDERSON'S BUSH LIMA. Grows in compact bush form about 18 inches high. The beans are small in size, but of delicious flavor and great productiveness, and about two weeks earlier than the others. Pkt., 5c; pt., 45c; qt., 75c; postpaid.

BURPEE'S BUSH LIMA. A bush form of true, large Lima. A good yielder, bearing a handsome, large pod, well filled. Pkt., 5c; pt., 45c; qt., 75c; postpaid.

BURPEE'S BUSH LIMA

Pole Beans

One quart to 200 hills

These are more tender than the Dwarf Beans, and planting should be delayed about a week longer. Set a stout stake about 8 feet long firmly in the center of each hill, leaving four plants to a hill.

EARLY GOLDEN CLUSTER WAX. Begins bearing in July, continuing to produce abundantly until frost, large clusters of golden-yellow pods 6 to 8 inches long and of delicious flavor. Valuable either as a shell or snap bean, white seed. Pkt., 5c; pt., 25c; qt., 45c; postpaid.

CUTSHORT. (Corn Hill.) A standard sort for planting among corn. It will yield a good crop without the use of poles. Beans nearly oblong, cut off at ends, white with reddish-brown spots. Pkt., 5e; pt., 25c; qt., 45c; postpaid.

DUTCH CASE KNIFE. An early corn hill bean. Pods very long and flat; beans flat, kidney-shaped, white, of excellent quality, green or dry. Pkt., 5e; pt., 25c; qt., 45c; postpaid.

OLD HOMESTEAD. (Kentucky Wonder.) An excellent green-podded variety; enormously productive, the long pods hanging in great clusters along the entire vine; they cook very tender and melting. Seed dark brown. Pkt., 5c; pt., 25c; qt., 45c; postpaid.

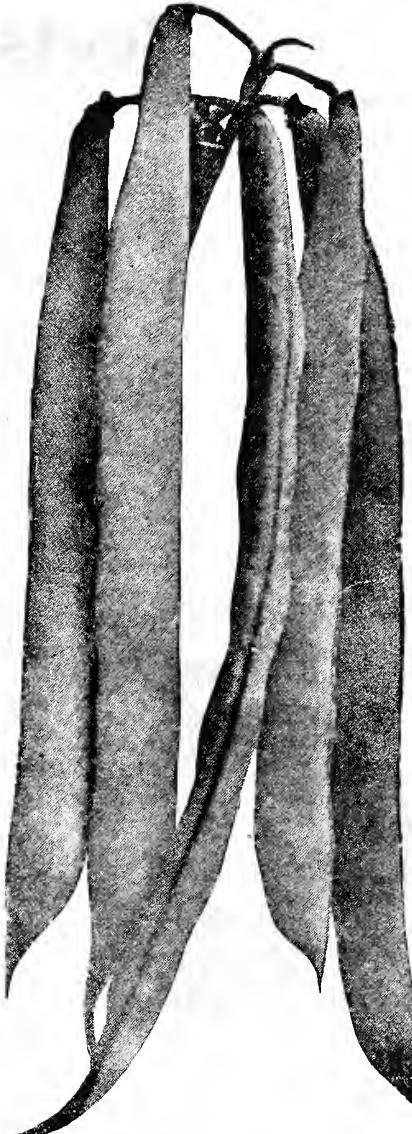
LAZY WIFE. A late bean. Pods long, broad, thick and entirely stringless; rich and buttery; dry beans, white and unsurpassed as shell beans for winter use. Very prolific. Pkt., 5e; pt., 25c; qt., 45c; postpaid.

LARGE LIMA. (Butter.) Productive. Large flat pods; beans white, of excellent flavor. Pkt., 5e; pt., 25c; qt., 45c; postpaid.

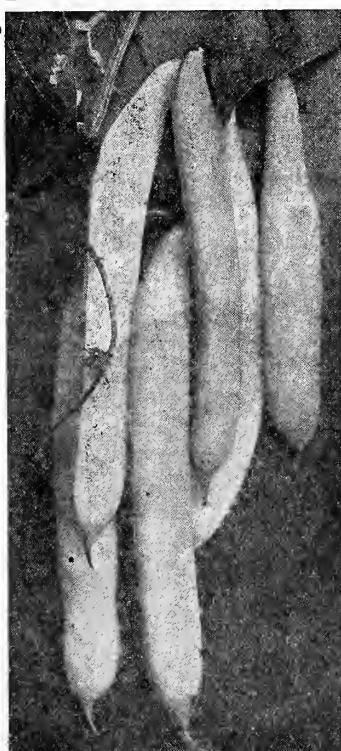
RED KIDNEY. Usually grown for dry beans, but excellent also as green shell. Splendid for boiling or baking. These are the old-fashioned Red Kidney. Pkt., 5e; pt., 20c; qt., 35c; postpaid.

TEPARY BEANS. This is a variety of bean that will be absolutely new to a majority of our customers. It, however, has been raised for the past half century in Arizona, New Mexico and Mexico. The best thing we can say for this bean is: Its adaptability to any and all climates. It will produce an abundant crop with very little moisture and will produce an abundant crop with plenty of moisture.

In its native locality, among the natives, it is not called a bean at all, but just Teparies. It was domesticated by the Indians from a wild species growing in that region.



KENTUCKY WONDER



EARLY GOLDEN CLUSTER WAX

HERE ARE TEN TEPARY TIPS

1. **Tepary.** A shell bean more profitable than the navy.
2. A native of the most arid part of the Arid Southwest.
3. Drought-resistant. Grown by Indians for thousands of years without irrigation with an annual rainfall of 9 inches.
4. Quick maturing. Sixty-five days from seeding to harvest. Available as a catch crop.
5. New botanical family and immune to common bean diseases.
6. Flavor, delicious and distinctive. Cooks well. Very nutritious.
7. Appearance, beautiful white clean color, captivating the eye.
8. Has 11% greater specific gravity than Navy Beans and swells to 40% greater bulk.
9. A cheap seeding proposition for the planter, as it takes only 12 lbs. to the acre.
10. It will grow any place under the same conditions as any other bean. Cultivate the same.

Price, pkt., 10c; pt., 25c; qt., 45c; postpaid.

Beets

One ounce to 100 feet of drill; 5 to 7 lbs. to acre in drills.

The early turnip varieties are ready for the table in from 50 to 60 days from sowing of seed.

The best results are obtained on a deep, rich, sandy loam, in freshly prepared soil, which should be pressed firmly over the seed. In dry weather soak seed 24 hours before planting.

If wanted very early, sow in hotbeds and transplant, cutting off the outer leaves. For general crop sow in drills 18 inches apart, and thin to 3 inches in the row. For winter use, the turnip varieties may be sown in June, and the beets may be kept by storing in a cellar and covered with sandy soil to prevent wilting. To prevent beets losing their color in cooking, do not break the skin. Prices are all postpaid. If sent by express deduct 10c per pound.

EARLY MODEL. A perfect globe in shape with a very small tap root. The color of the flesh is equal to that of the best long beet in existence. The foliage is very small. The beets are always smooth and of the deepest blood-red color while they quickly attain a good size. The Early Model has become a great favorite with all growers on account of its uniform size and regular type. Price, pkt., 5c; oz., 10c; 1 lb., 35c; 1 lb., \$1.00; postpaid.

BEST EARLY BLOOD TURNIP. A favorite early variety. Roots turnip-shaped, dark red; fine flavor tender and sweet. Good for winter.



ECLIPSE.

CROSBY'S EARLY. An improved strain of the Egyptian; skin and flesh are dark red, roots smooth, round, fine quality, extra early.

ECLIPSE. An extra early variety with round, smooth, blood-red roots. Matures very early and is popular both for market and home garden.

DEWING'S EARLY RED TURNIP. Of good form and flavor. Flesh and top deep blood-red; excellent for early or winter use. Smooth and handsome.

DETROIT DARK RED TURNIP. A grand beet for bunching for market, and for the home garden. Tops small roots globular, skin smooth; dark blood-red; flesh bright, crisp, tender, sweet and remaining so for a long time.

COLUMBIA. Extra early, also one of the finest main-crop beets for market or home garden. The roots are turnip shape, 3 or 4 inches in diameter, deep through, smooth and entirely free from small rootlets. Flesh deep blood-red, tender and of rich flavor.

CRIMSON GLOBE. Early, of medium size, uniformly round; color deep crimson throughout; exceedingly tender and sweet; good keeper.

EDMUND'S IMPROVED BLOOD TURNIP. Round and smooth, matures early; skin and flesh are of a deep blood-red; sweet and tender; an excellent keeper.

ARLINGTON BLOOD TURNIP. A dark-leaved variety, following Eclipse in maturing; perfectly round, blood-red, excellent quality, and good for winter; does not become stringy and is tender at all times.

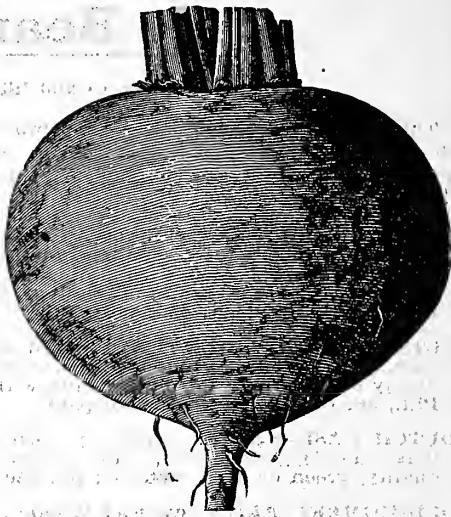
HALF LONG BLOOD. An entirely distinct variety, and the best for winter use. The roots are pear-shaped, smooth, flesh a rich, dark red, crisp, tender and very sweet, never becoming woody, and retaining its excellent quality longer than any other sorts.

LONG DARK BLOOD. Tops large, with good sized, long roots, tapering and growing even with the surface; dark red; flesh sweet and tender, remaining so until spring. A popular winter sort. An excellent keeper.

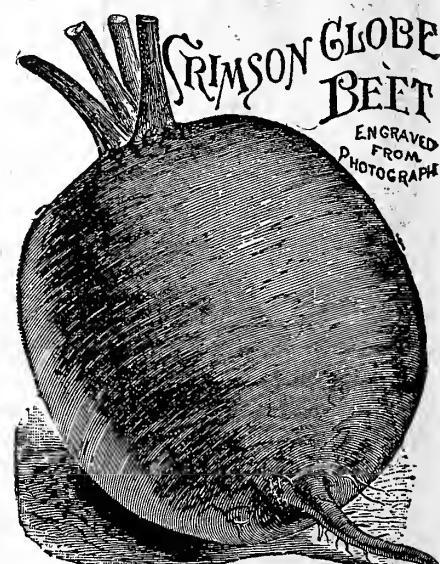
SWISS CHARD. Grown for its leaves only; mid-rib is cooked and served like asparagus, the leaves used for greens.

**PRICES OF ALL BEETS ON THIS PAGE
EXCEPT EARLY MODEL**

Pkt., 5c; oz., 10c; 1 lb., 20c; 1 lb., 70c; postpaid.



CROSBY'S EARLY



CRIMSON GLOBE
BEET

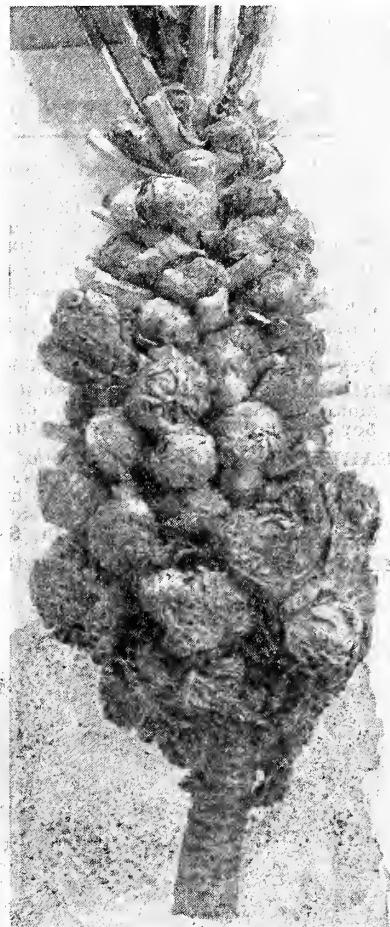
ENGRAVED
FROM
PHOTOGRAPH

Brussels Sprouts

Matures 140 to 150 days from seed

Brussels Sprouts are highly valued in all European countries, but are not generally appreciated here. Thousands and thousands of native-born Americans have never tried them and do not know what palatable and nutritious vegetables they are. They should be in every garden.

Culture same as for early or late cabbage, depending on whether an early or late crop is desired, with the exception that the seed should be sown a few days earlier and when the plants are planted out they should be set 18 inches apart in rows 2 feet apart. One ounce will sow 200 feet of drill. The stem which usually grows from 20 inches to 2 feet in height, is covered with "miniature cabbages" which may be boiled like cabbage or cooked in cream like cauliflower. They are by all means the most delicious and delicately flavored of the cabbage family. On this variety the heads grow very closely and its quality is the finest. Price, pkt., 5c; oz., 15c; 1 lb., 45c; lb., \$1.50; postpaid.



Broccoli

The culture is the same in all essentials as for Cauliflower, in fact, it is a good deal like Cauliflower. It is grown most successfully where the season is long, cool and rather moist. One of the most valuable features is that it withstands greater extremes of temperature than Cauliflower.

NEW WHITE CAPE. A very desirable variety. It has medium sized heads, close and compact, and of a beautiful creamy white color. A sure header. Price, pkt., 5c; oz., 30c; postpaid.

Celery-Cabbage

This vegetable has attracted considerable attention in the Northern markets. In appearance it is more like Stalk Celery or Cos Lettuce than real Cabbage, but to the palate a delicious celery-flavored cabbage, which may be served as a salad, as hot or cold slaw or boiled, minced and seasoned with butter, or cream sauce. It forms a tall, fine head, weighing 4 lbs. and over; the leaves are large and light green, unless blanched; when they are pure white, are crimped at the edges and the mid-rib, the most striking feature, is white, thickly fleshy. The seed should be sown during summer for use in autumn or winter. Sow in drills 16 to 20 inches apart, thinning out in the rows two to three times as necessary. Price, pkt., 10c; oz., 35c; 1 lb., \$1.10; lb., \$3.50; postpaid.

Collard

The Collard is a kind of cabbage which sometimes forms a compact head. Makes excellent greens and is also excellent for all kinds of stock. The leaves may be pulled from underneath the head of the plant and cattle, hogs and poultry are very fond of it. Such action does not injure the growing and preserving of the Collard for human food. It grows readily in any kind of soil, and heavy frosts or even icy weather does not hurt it. Plant same as cabbage. Price, pkt., 5c; oz., 10c; 1 lb., 30c; lb., \$1.00; postpaid.

BRUSSELS SPROUTS

Vegetable Plants

We Grow Great Quantities of Cabbage, Cauliflower, Celery, Tomato and Sweet Potato Plants

	Ready	Postpaid			By Exp., Your Expense		
		About	pr. doz.	pr. 25	pr. 100	pr. doz.	pr. 100
Early Cabbage, for varieties see page 39.....	Apr. 25	\$0.15	\$0.25	\$0.75	\$0.10	\$0.50	\$4.00
Late Cabbage, for varieties see page 39.....	May 10	.10	.20	.65	.10	.40	2.50
Early Tomato, for varieties see page 39.....	Apr. 25	.25	.45	1.00	.15	.80	7.00
John Baer Tomato.....	Apr. 25	.35	.60	2.00	.30	1.75	15.00
Late Tomato, for varieties see page 39.....	May 10	.15	.30	.90	.10	.70	6.00
Cauliflower, Snowball.....	May 10	.25	.45	1.25	.20	1.00	7.00
Egg Plant.....	May 10	.25	.45	1.25	.20	1.00	8.00
Early Celery, for varieties see page 39.....	May 10	.20	.35	.75	.15	.50	4.00
Late Celery, for varieties see page 39.....	June 1	.15	.25	.55	.10	.35	3.00
Pepper, for varieties see page 39.....	May 10	.25	.45	1.25	.20	1.00	8.00
Sweet Potatoes, for varieties see page 39.....	May 10	.....	.....	.50	.....	.35	3.00
Asparagus Roots.....			.15	.....	1.00	.....	.60
Rhubarb Roots.....		10c each	1.00	per doz.	50.	per doz.	5.00

WRITE FOR PRICE LIST IN LARGER LOTS

Cabbage

One ounce to 5,000 plants; 2 ounces to transplant an acre. Ready for table in from 100 to 160 days from seed, according to varieties.

For early summer use sow in hotbed in February or March. Before transplanting to the open ground they should be hardened off by exposing them gradually to the night air. For winter use sow in open ground in May or June, taking care in either case not to let the plants stand too closely, as this makes them "spindling." When five or six inches high, transplant in rows two feet apart one way, and 12 to 18 inches the other way, according to variety, burying to the first leaf, whatever the stem length. Hoe frequently, drawing the earth up about the plants until they begin to head.

Extra Early Varieties

EARLY SPRING. The earliest, flat-headed variety. A wonderful compact plant with few outer leaves. Ready for use as soon as Early Jersey Wakefield. The head is oval and very large for the size of the plant, nearly equaling many of the later kinds. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.60; postpaid.

EXTRA EARLY EXPRESS. The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads solid, have few outside leaves, and can therefore be planted very close and yield a large crop. It is a most important variety for the gardener. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.60; postpaid.

EARLIEST ETAMPES. (Earliest of All.) Extremely early, with small, quite solid, pointed heads; excellent quality. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.50; postpaid.

EARLY WINNINGSTADT. One of the best, being very hardy and sure to head; suffers less from the cabbage worm than any other sort; heads regular, conical, very hard and keep well. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.50; postpaid.

EARLY YORK. Very early; small heart-shaped.



EARLY JERSEY WAKEFIELD

Firm and tender. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.35; postpaid.

EARLY JERSEY WAKEFIELD. Most gardeners depend upon it for the bulk of their extra early crop. Heads conical, very compact, solid and of excellent quality. Price, pkt., 5c; oz., 20c; 1 lb., 60c; lb., \$1.75; postpaid.

COPENHAGEN MARKET. Best early flat-headed cabbage. The illustration is a good representation of a splendid new early cabbage, one our customers should not overlook. It is the earliest large round or flat-headed sort. The ripening is early and uniform, all maturing at one time and almost with Early Jersey Wakefield (oblong head). Considering its early season, the heads are remarkably large, averaging ten pounds in weight. One of its chief features is compactness; its leaves, which are light green, are round, dish-shape and fold tightly together in remarkably compact and solid form; it is so solid that many more plants can be grown on an acre than is possible with most sorts. It has few outer leaves, which permit close planting, and it grows close to the ground on a short stem. The entire crop can be harvested at one time and thus clear the field for other crops. In quality is exceptionally good; early, ripening at one time, compact growth, large heads and high quality are features which have made this cabbage a standard in three years' time. A trade holder and a big money maker for the market gardener. Price, pkt., 5c; 1/2 oz., 15c; oz., 25c; 2 oz., 45c; 1 lb., 80c; lb., \$3.00; postpaid.



COPENHAGEN MARKET

Second Early or Summer Varieties

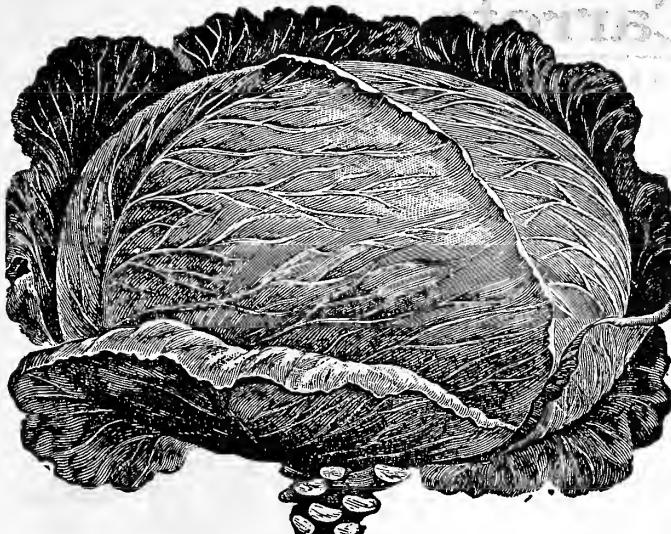
EARLY DWARF FLAT DUTCH. An early cabbage of good size. Heads are flat and very solid. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.50; postpaid.

EARLY DRUMHEAD. A fine strain; of dark bluish-green color, plant very hardy; compact, flat head. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.50; postpaid.

EARLY SUMMER. Deservedly popular with market gardeners throughout the country. It forms large, solid, round, flattened, compact heads of excellent quality, tender and sweet. The heads average over double the size of the Jersey Wakefield, weighing eight to ten pounds each, while it matures only ten or twelve days later. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.50; postpaid.



ALL SEASON'S



LATE DRUMHEAD

Late or Winter Varieties

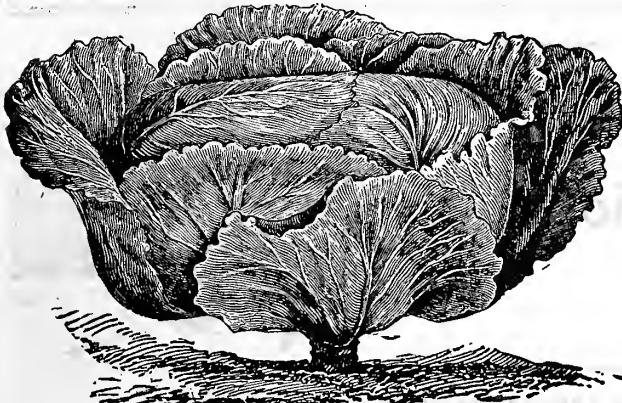
SUREHEAD. This cabbage never fails to make a fine, solid, large head, with few outer leaves. It is a vigorous grower, maturing late. First-class main crop variety. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.50; postpaid.

THE LUPTON. This variety is one of the best for main crop, combining the best qualities of the second-early and the late sorts. It is also one of the best keepers. Price, pkt., 5c; oz., 25c; 1 lb., 70c; lb., \$2.00; postpaid.

RED DUTCH. The best, largest and surest heading red cabbage. Used mostly for pickling. The plant is large, with several spreading leaves. The head is large, round, very solid and of deep red color, averaging from ten to twelve pounds in weight. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.50; postpaid.

LARGE LATE DRUMHEAD. A favorite winter variety; extra large, solid heads; slightly later than the Flat Dutch. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.50; postpaid.

AUTUMN KING. Is extremely large and solid. Flat headed late variety. The plant is of extra strong growth, with dark bluish-green leaves.

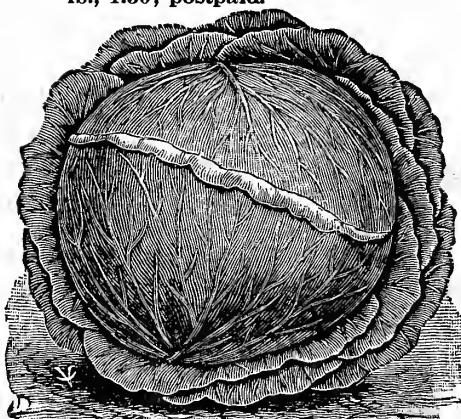


PREMIUM LATE FLAT DUTCH

SUMMER VARIETIES—Continued

ALLHEAD EARLY. Earlier than any other large cabbage, larger than any other early cabbage. Heads deep, flat, solid, uniform and very tender owing to its rapid growth. An all-the-year cabbage. We consider this one of the best second-early sorts on our list and recommend it both for home and market use. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.50; postpaid.

ALL SEASONS. (Vandergaw.) This excellent sort is early, maturing a week or ten days after All Head Early; makes larger and harder heads than that sort, averaging ten to fifteen pounds in weight. Truly an all-seasons variety, fine for summer market and heads are so large, thick and solid that it is excellent for keeping through the winter. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., 1.50; postpaid.



HOLLANDER

Splendid winter variety. Price, pkt., 5c; oz., 25c; 1 lb., 70c; lb., \$2.00; postpaid.

HOLLANDER. (Danish Ball Head.) Hardest heading variety known. Remarkable for great weight and long-keeping qualities. The heads are of medium size, exceedingly tender, crisp, solid, with no waste heart. Price, pkt., 5c; oz., 25c; 1 lb., 80c; lb., \$2.60; postpaid.

PREMIUM LATE FLAT DUTCH. (Selected Strain.) The great cabbage for fall and winter. The large, oval, solid heads are flattened and of splendid quality. Will keep in the best condition for a long time. Price, pkt., 5c; oz., 20c; 1 lb., 50c; lb., \$1.50; postpaid.

MORE AND BETTER QUALITY

Saline Co., Nebr., Mar. 27, 1915.

Dear Sirs:—

I got my garden seeds of you last year and will say I got more seed and of better quality than any other seed house in existence. My tomatoes were extra fine, they were the largest tomatoes I ever saw.

Yours truly,
MRS. WM. McCURDY.

Carrots

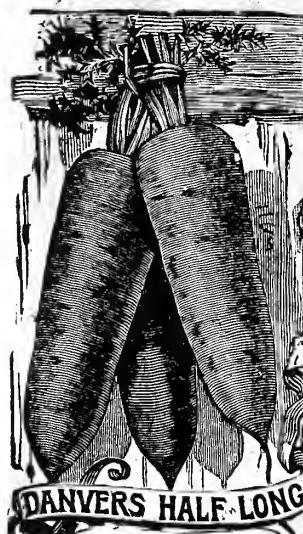
One ounce to row 100 feet long. $2\frac{1}{2}$ lbs. per acre. Ready for table in from 95 to 120 days from seed, according to variety.

Any good land, if thoroughly and deeply worked, will produce satisfactory crops. Sow as early as the ground can be worked, sow the smaller kinds in rows 16 to 18 inches apart. For field culture sow in drills 18 to 24 inches apart. Cover one-half to one inch deep and see that the soil is pressed firmly above the seed. Do not let the weeds get a start. Thin to three to six inches apart in the rows as soon as the plants are large enough. For winter use gather and store like turnips. Price of all Carrots, pkt., 5c; oz., 10c; 1 lb., 30c; lb., 70c; postpaid.

CHANTENAY. The market gardener's and trucker's favorite. It is an early, very productive, half-long, stump-rooted variety, smooth-skinned, fine in appearance and entirely coreless. It is pulled very easily. The color is a rich orange and the texture and quality are unsurpassed. The finest of all sorts, and it is undoubtedly the best bunching carrot for early market use.

DANVER'S HALF LONG POINTED. A half long orange carrot, grown largely on account of its great productivity and adaptability to all classes of soil. Roots six to eight inches long, tapering uniformly to a blunt point. Flesh deep orange, tender and of good quality. Although the roots of this variety are comparatively short they often produce as large a bulk as the longer field sorts and are more easily harvested.

HALF LONG SCARLET NANTES. The leaves are fine, the roots are almost cylindrical, very smooth, of good shape and size, and about six inches long; the flesh is red and very sweet. They are easily pulled and keep well. A most excellent sort.



HALF LONG SORT

HALF LONG STUMP ROOT. The tops are of medium size, roots deep orange, large, tapering to a dull point. Smooth, crisp and tender.

IMPROVED LONG ORANGE. Large, smooth, and of rich orange color. A good keeper, of fine quality for table use, and highly nutritious for stock.

OX HEART or GUERANDE. (See cut.) A thick carrot, five inches long and very blunt at the lower extremity. It grows very rapidly, and the roots attain a weight of more than a pound. It is tender, of good flavor and of a deep red color, and is a variety we can recommend to all market gardeners.

EARLY SCARLET or SHORT HORN. One of the most popular varieties grown; color deep orange; flesh fine grained and of agreeable flavor; tops small; has a short, stump-shaped root. Grows well in shallow soil; one of the best for early outdoor planting and for table use.

LOW QUANTITY PRICES, see pages 40 and 41.

SEEDS O. K. FOR EIGHT YEARS

Kootenai Co., Ida., March 29, 1915.

Dear Sirs:—

I received the package of seeds today and found everything all O. K., as I have found them in other years, for as you know I have gotten our seeds of you for the last eight or ten years and always found them to be all right in every way.

Yours truly,

S. J. KLEPBR.

See Our
Garden Collections
Page 39



GUERANDE or OX HEART

Carrots for Stock

Sow 4 to 6 lbs. to the Acre in April or May

These are undoubtedly the most valuable of all the roots usually grown for stock. They are more nutritious than turnips and nearly all animals like them and are benefited by them.



LARGE YELLOW or VICTORIA. Largest, heaviest cropping and most nutritious variety in cultivation; roots fine, of light orange color, and possessing high feeding properties; good keeper. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid. By express, 5 lbs., \$2.25.

LARGE WHITE BELGIAN. Grows one-third out of ground. Roots pure white, green above ground with small top. Flesh rather coarse. The roots grow to a large size. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

Cauliflower

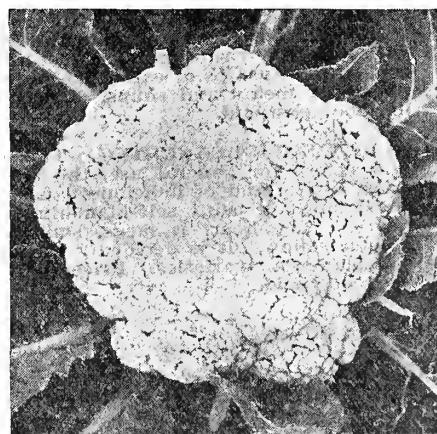
(For Cauliflower Plants see page 7)

These need a deep, rich, moist soil, and require the same treatment as cabbages. For early summer varieties, seed should be sown in hotbed early in March; transplant when weather is warm. For late or autumn varieties, sow in March or April, transplant in June. Hoe often.

EXTRA EARLY ERFURT. A very fine strain, producing large, white, firm heads; close and of excellent quality. Dwarf, early and always certain to head, early or late. Later and larger than Earliest Erfurt. Price, pkt., 5c; $\frac{1}{2}$ oz., 75c; oz., \$1.25; postpaid.

EARLY SNOWBALL. (Early Selected.) This very superior strain is noted for producing plants of dwarf habit, short, compact growth, and uniform shape. It is extremely hardy and one of the surest to make a solid head. For forcing or planting in open ground no other variety can surpass it. Good for early, second early, and late planting. Price, pkt., 5c $\frac{1}{2}$ oz., \$1.35; oz., \$2.50; postpaid.

DANISH GIANT. (Dry Weather.) The merits of this first class cauliflower is recognized by its increasing popularity. The crop is 2 or 3 weeks earlier than the Earliest Erfurt. The heads are pure white and of fine quality. The plants are less affected by dry weather than any other variety, making it very valuable for dry sections. Price, pkt., 5c; $\frac{1}{2}$ oz., \$1.75; oz., \$3.00; postpaid.



EARLY SNOWBALL

Cress or Peppergrass



Ready in from 21 to 40 days. Cress should be sown in a sheltered spot quite thick in shallow drills, in a short time it will be fit for cutting. Sow frequently, as it matures rapidly.

EXTRA CURLED. This small salad is much used with lettuce. The warm, pungent taste makes a most agreeable addition. Price, pkt., 5c; oz., 10c; 1 lb., 25c; postpaid.

WATER CRESS. Hardy, perennial, growing readily on the banks of streams or ponds. Price, pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 30c; postpaid.

CRESS or
PEPPER GRASS

Celery

One ounce to 3,000 plants or 200 feet of drill. Ready for table in 160 to 175 days from seed.
GROW YOUR OWN CELERY. (For Celery Plants see Page 7)

Sow the seed (which is slow to germinate) in shallow boxes, or hotbed, cover the seed not too deep. Keep the bed moist, almost wet, until the seeds germinate. When about two inches deep, thin out and transplant so that they may stand three inches apart, when the plants are four inches high, cut off the tops, which will cause them to grow stocky. The essentials to success in celery growing are rich soil and plenty of water. The best results are usually obtained from setting about the middle of June or the first of July. In setting, prepare broad trenches about six inches deep and four to six feet apart, in which the plants should be set six inches apart, cutting off the outer leaves and pressing the soil firmly about the roots. Cultivate freely. Earth up a little during the summer, keeping the leaf stalks close together, so that soil cannot get between them. Finish earthing up in autumn, and never hoe or earth up when plants are wet, as this would be likely to cause them to rust or rot.

To keep celery for winter, dig trenches a foot wide and as deep as the tops of the plants. Stand celery in these erect, with what dirt adheres to the roots, packing closely, but not crowding. It should be covered with straw or leaves a little at a time, as the cold becomes greater. Celery will bear a good deal of frost.

GIANT PASCAL. One of the best for fall and winter use. The stalks are very large, solid, crisp and of rich, nutty flavor. It blanches very easily and quickly. The heart is golden yellow, very attractive. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; postpaid.

CELERIC GIANT PRAGUE. The roots of this celery are turnip-shaped, large and smooth; are almost round and with a very few side roots. Sweet and tender and may be cooked like turnips or eaten like radishes; used largely for seasoning meats and soups. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; postpaid.

GOLDEN SELF-BLANCHING. This is without doubt the best celery for general use, the ribs are perfectly solid, crisp, brittle and of delicious flavor, while it has the decided merit of being self-blanching to a very remarkable degree. The heart is large, solid and a beautiful rich, golden yellow. It is decidedly the best keeper of all the self-blanching varieties. Price, pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 90c; postpaid.



WHITE PLUME



GOLDEN SELF-BLANCHING

GIANT GOLDEN HEART. This variety attains a large size, but still remains crisp and tender. It is a fine keeper and a favorite for market. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 45c; postpaid.

SNOW WHITE. A pure white variety. It is vigorous in growth, rich in flavor and crisp; grows solid on all kinds of soil, and is an excellent keeper. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; postpaid.

WHITE PLUME. (See cut.) A variety specially adapted to cultivation by amateurs, as its inner stalks and leaves are naturally white. By simply tying up the stalks and drawing up the soil with the hoe the work of blanching is complete. It is tender, crisp and of good flavor. The earliest celery in cultivation, but will not keep longer than Christmas. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; postpaid.

Chives

CHIVES. (Schnittlouch.) A perfectly hardy plant, something like an onion. Tops are cut off from time to time and used to flavor soup. Price, seed, pkt., 10c. Clumps, 25c each; postpaid. By express, \$1.50 per dozen.

Cucumbers

One ounce to 50 hills; 2 to 3 lbs. to the acre. Earliest varieties ready for table use in 50 to 55 days from seed. Main crop in 65 to 75 days.

As soon as the weather becomes settled and warm, plant in hills 4 to 6 feet apart each way, with 8 or 10 seeds in a hill; cover half an inch deep, smoothing the hill off with the hoe. Keep the soil well stirred, and when the plants are out of danger of insects, leave 3 or 4 plants to a hill. For pickles, plant from first of June to first of August. The fruit should be gathered when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough transplant to open ground.

A GOOD SCHEME. Put in a second row of seed a few inches from your first cucumbers when they begin to run. The bugs prefer young plants. Your earliest plants are thus protected and those of later planting that escape the bugs will prolong the pickle season.

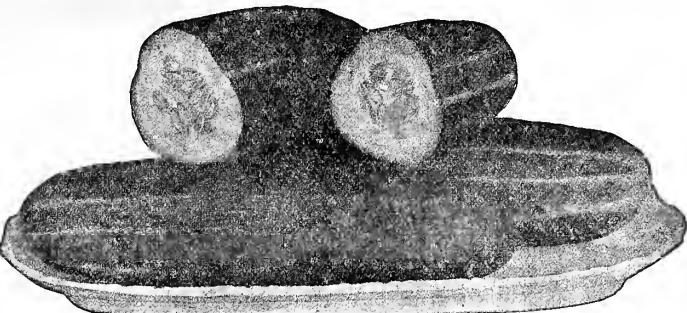
BOSTON PICKLING or GREEN PROLIFIC. One of the best pickling varieties; dark green, tender, crisp and productive. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c; postpaid.

DAVIS PERFECT. This cucumber has the merit of being not only a first-class variety for forcing under glass, but is equally as good for outdoor culture. The color is a dark, glossy green; in shape it is smooth and symmetrical with an average length of ten to twelve inches. It is very tender and of exceptionally good flavor. For shipping it is unsurpassed. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; postpaid.

EARLY CLUSTER. A short, pale green variety; fruit borne in clusters near the root, containing few seeds. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c; postpaid.

EARLY FRAME or SHORT GREEN. Excellent for table use and for pickling. Fruit straight, smaller at each end; bright green, flesh tender and crisp. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c; postpaid.

EVERBEARING. Small, very early and productive; solid, few seeds and of fine quality. It con-



LONG GREEN

tinues to bear until frost. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c; postpaid.

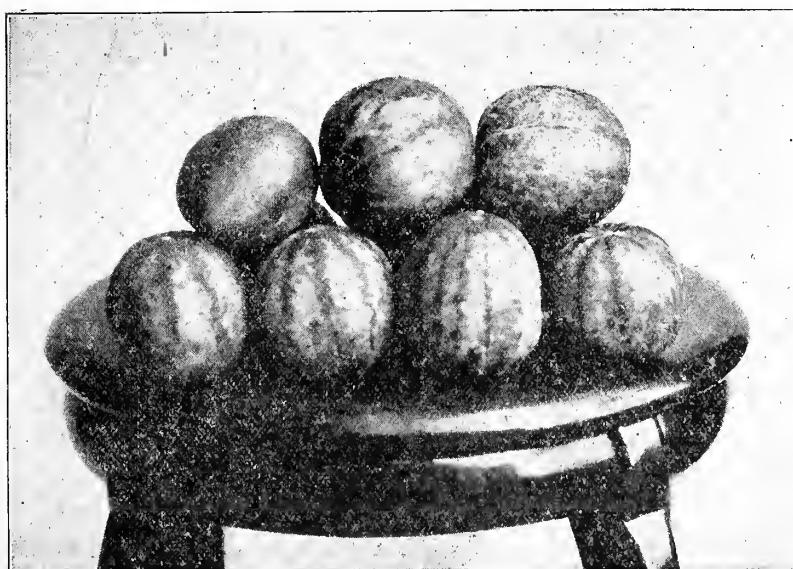
IMPROVED JERSEY PICKLING. A standard small variety, dark green, tender, crisp, productive, of fine flavor and uniform size. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c; postpaid.

IMPROVED LONG GREEN. (See cut.) A well-known standard, main crop variety, about 9 in. long, of excellent quality, and makes the best of pickles. Vines vigorous and very productive. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c; postpaid.

IMPROVED EARLY WHITE SPINE. For forcing it is preferred to all others. Flesh tender and crisp. Fruit uniform in size, straight and light green, with a few white spines. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c; postpaid.

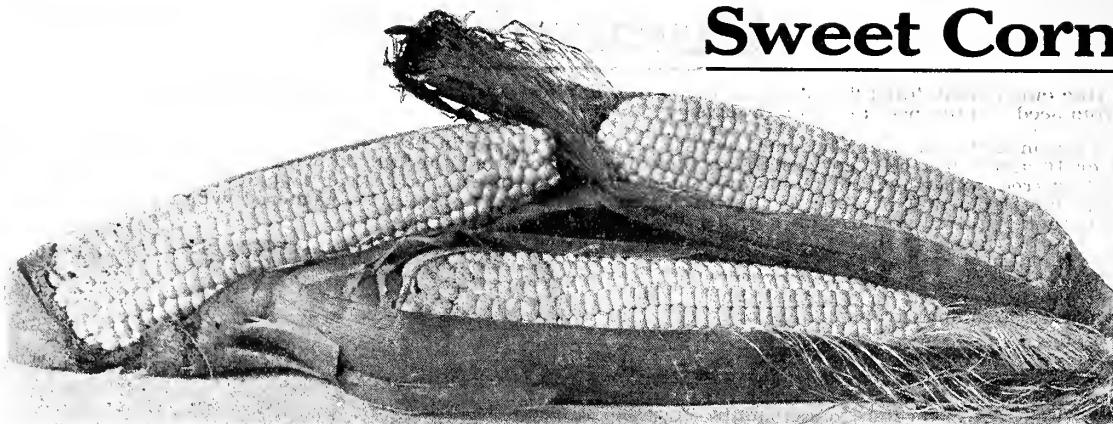
JAPANESE CLIMBING. The vines can be trained to climb, thus requiring less ground space. The cucumbers are thick, tender, and of delicate flavor, flesh white; skin dark green, turning to brown and netted when ripe. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; postpaid.

LEMON CUCUMBERS. A new kind of Cucumber, called the "Lemon." The photograph on this page gives an idea of the shape and appearance of one of the best cucumbers for the home garden and early shipping. It is similar in color and shape to a lemon—hence its name. Its flavor is delicious and it is never bitter. Excellent for slicing—we know of none equal to it; used in salads and when quite small is often eaten like radishes. Always tender, crisp and juicy. It is deserving of general planting. When ordering your garden seed be sure to include one or two packets. Price, pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$2.60; postpaid.



LEMON CUCUMBERS

Sweet Corn



HOWLING MOE

Sweet Corn being liable to rot in cold, wet ground should not be planted before May, or until the ground has become warm; practically nothing is gained in time, and much is lost in quality by planting too soon. To have the finest sweet corn it must be picked in just the right condition, that is when the skin of the grain breaks at the slightest punctures, and planting could be made every two weeks to have a supply at this stage. Plant in rich ground in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. The extra early varieties can be planted closer. Give frequent and thorough but shallow cultivation until the tassels appear.

IF SENT BY EXPRESS AT BUYER'S EXPENSE, 5c PER PT. OR 10c PER QT. MAY BE DEDUCTED
For prices in larger lots see our Market Gardeners' Price List, pages 40 and 41.

BLACK MEXICAN. Medium early, about six feet in height, with one or two fine ears eight inches in length, with eight rows of large grains, which when in condition for the table cook remarkably white, but the ripe grain is black or bluish-black. It is surpassed by none in tenderness. Price, pkt., 5c; pt., 15c; qt., 30c; 2 qts., 55c; postpaid.

STOWELL'S EVERGREEN. The standard main crop variety. It is hardy, large-growing and productive, very tender and sugary, remaining a long time in condition suitable for boiling. Price, pkt., 5c; pt., 15c; qt., 30c; 2 qts., 50c; postpaid.

COUNTRY GENTLEMAN. (Shoe Peg.) This variety has a small cob densely covered with irregular rows of very long, slender grains of fine quality. Price, pkt., 5c; pt., 15c; qt., 30c; 2 qts., 55c; postpaid.

CROSBY'S EARLY. Remarkably early and of the best flavor. Ears of medium size, twelve-rowed, with grains very tender and sweet. Price, pkt., 5c; pt., 15c; qt., 30c; 2 qts., 50c; postpaid.

EARLY EVERGREEN. This is a very popular Sweet Corn. It is in the second early class, comes to maturity fully 10 to 12 days earlier than Stowell's Evergreen and yields large, handsome ears of most delicious flavor. It has a ready sale in the market on account of its handsome appearance and earliness. Price, pkt., 5c; pt., 15c; qt., 30c; 2 qts., 55c; postpaid.

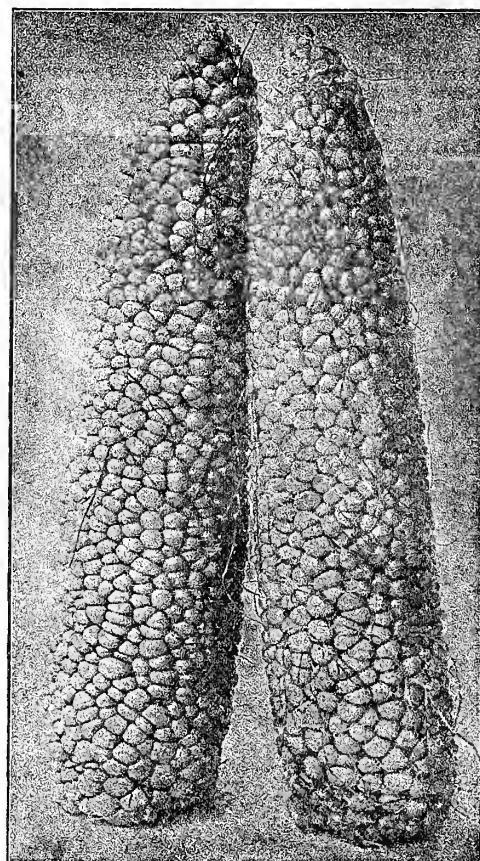
EARLY MINNESOTA. One of the best early sorts for the market or private garden. Stalks four to five feet high and bearing one or two long, eight-rowed ears; kernels very broad, sweet and tender, not shrinking much in drying. Price, pkt., 5c; pt., 15c; qt., 30c; 2 qts., 50c; postpaid.

EARLY CHAMPION. Only a few days later than the extra earlies, bearing large, handsome twelve-rowed ears. Deep, white, plump grains of milky tenderness and very sweet. Very productive. Price, pkt., 6c; pt., 15c; qt., 30c; 2 qts., 50c; postpaid.

EXTRA EARLY PREMO. A real Sweet Corn as early as Extra Early Adams. Large, sweet and tender. Plant early, as it will stand some frost. Price, pkt., 5c; pt., 20c; qt., 35c; postpaid.

MAMMOTH SUGAR. Produces the largest ears of any sort; excellent quality, sweet, tender, delicious; late variety. Price, pkt., 5c; pt., 15c; qt., 30c; 2 qts., 50c; postpaid.

MAMMOTH WHITE CORY. Nearly as early but larger than Early Corn. The ears are 12-rowed; grains are broad, very white and of excellent quality for an early sort. Price, pkt., 5c; pt., 15c; qt., 30c; 2 qts., 50c; postpaid.



COUNTRY GENTLEMAN

Sweet Corn—Continued

GOLDEN BANTAM. Extremely hardy, can be planted earlier than any other true sweet corn, thus producing the earliest supply. Ears 6 inches long, with 8 rows of grains, which are a golden yellow when ready for use. Can be planted thickly, and every stalk should have from 2 to 3 perfect ears. Price, pkt., 5c; pt., 15c; qt., 30c; 2 for 55c; postpaid.

HOWLING MOB. Its peculiar but apt name refers to the vociferous demand for the ears when the originator, Mr. Keller, took them to market. In developing this corn the originator aimed to secure a large ear early in the season and at the same time possessing the sweet flavor of the later varieties. The stalks are of strong, vigorous growth, 4½ to 5 feet in height, have abundant foliage and generally produce two fine ears to a stalk. The ears measure 7 to 9 inches in length with twelve to fourteen rows of good sized, pearly-white grains. The ears are covered with a heavy husk which extends well out from the tip and affords good protection from the green worms which are so often destructive of early Sweet Corn. Price, pkt., 5c; pt., 15c; qt., 30c; 2 qts., 55c; postpaid.

PEEP O'DAY. (See cut.) The two points of this new corn are its extraordinary earliness and sweetness. It is also very productive, the stalks bearing from two to five ears, are very dwarf, which admits of their being planted close together. Price, pkt., 5c; pt., 15c; qt., 30c; 2 qts., 65c; postpaid.

POPCORN

BABY GOLDEN. Smallest pop corn in existence. It is very prolific, producing from 5 to 10 ears on a single plant. The stalks do not exceed 3 feet in height and the ears from 1½ to 2½ inches in length. The kernels are but very little larger than a kernel of rice, of a handsome, lustrous, light golden color, and pop without leaving any hard center. We recommend it most highly and with all its good qualities you will find it the prettiest pop corn you have ever seen, both on the ear and when popped. Price, pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c; postpaid.

BLACK BEAUTY. Here is something new in popcorn. It is only black on the outside, however. The kernels are very large, and when popped are very tender and crisp. The color does not show at all when popped, being a pearl white. It yields heavier and ripens much earlier than white popcorn and may be popped the same season without kiln drying. Price, pkt., 5c; lb., 30c; postpaid.

QUEEN'S GOLDEN. The largest of all popcorns. The stalk grows five to six feet high, and bears two to three large ears each. It is yellow, but pops creamy white, and of excellent quality. Price, pkt., 5c; lb., 20c; postpaid.

WHITE RICE. A prolific variety. Ears short; kernels long, pointed and white. Probably no variety of popcorn is superior to this for popping. Price, pkt., 5c; lb., 20c; postpaid.

Ask for prices on popcorn in large lots.

Corn Salad

This is a hardy winter salad, the small leaves being served like lettuce during the cool fall and early winter months. It is used also for garnishing meat dishes in the same manner as parsley and cress. The seed should be sown thinly in drills during August, September and October to supply fresh leaves during the cool fall and winter months. It is quite hardy, and after cool weather sets in can be protected by a thin mulch of hay or straw. Price, pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

One ounce to 1,000 plants. Ready for table in 145 to 160 days.

Egg Plant

PEEP O'DAY

1 quart to 200 hills; 8 to 10 quarts to the acre. In an average season from planting to first fair picking is from 55 to 85 days, according to variety.

A tender plant, start early in hotbed or in the house. Plant out early in June, care being necessary to prevent plants being chilled by the change.

IMPROVED NEW YORK PURPLE. (See cut.) Entirely spineless. Low growing plants, stalky and branching, bears early and almost continuously. Fruits are large, satiny smooth and a rich purple color. Price, pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50; postpaid.

Ready for table in 43 to 50 days from seed.

Endive

One ounce to 100 feet of drill

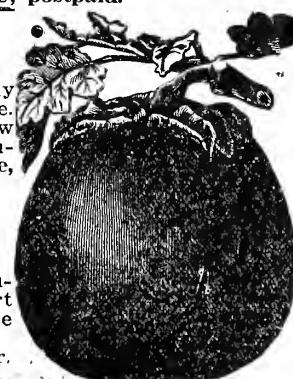
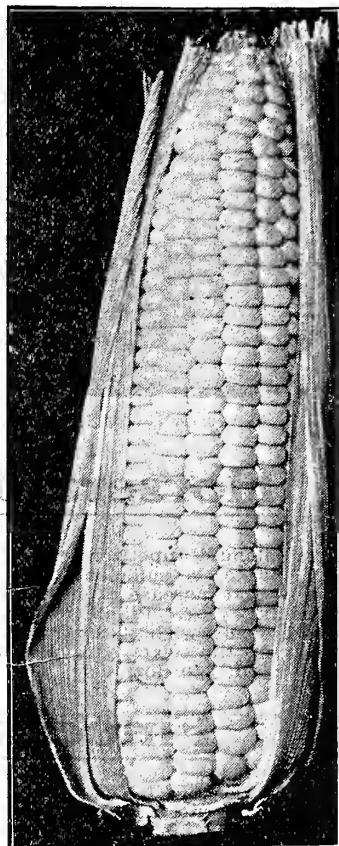
One of the best autumn and winter salads. Sow from June until August, ½ inch deep in drills 14 inches apart and thin out to 1 foot apart in the rows. When nearly full grown bleach by tying the tips of the leaves together.

GREEN CURLLED, WINTER. Very hardy; leaves dark green and tender. Much better than the common varieties. Price, pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

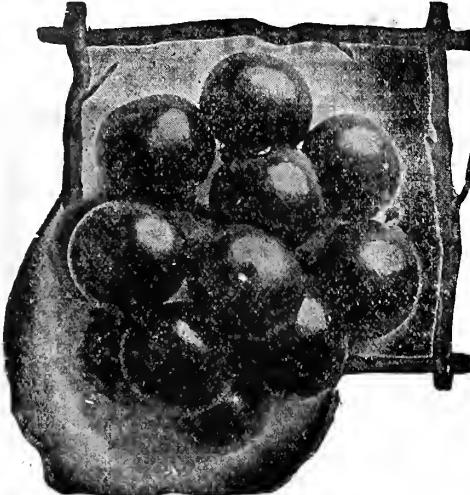
MOSS CURLLED. Leaves very finely curled. Price, pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

WHITE CURLLED. Very tender when cut young; blanches readily. Price, pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

NEW YORK PURPLE



Garden Huckleberry



GARDEN HUCKLEBERRY

Horseradish

This splendid appetizer cannot be over-estimated. 25 plants are sufficient for a family. The roots grow and increase rapidly in size with each succeeding year. Plant in a corner of the yard where you wish it to grow and you can begin digging the next year. Postpaid, 50c doz.; not postpaid, 35c doz.

Finocchio

FLORENCE FENNEL A delicious vegetable which should be more largely grown in this country. It is extensively used in Italy as a salad, and also may be served boiled. When the enlargement of leaf stalk, at base of stem, is about the size of a hen's egg it should be earthed up so as to cover half of it and in about 10 days cutting may be commenced and continued as the plants increase in growth. The flavor is somewhat like celery but it has a sweet taste and delicate odor. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; postpaid.

Lentils

A leguminous annual, resembling peas, with round, flat seeds, which are much used for soup and making a delicious dish; they are also splendid for pigeon feed. The stems and leaves make good fodder. Succeeds well on dry soil. Pkt., 10c; lb., 20c; postpaid. By express, 10 lbs., \$1.00.



One ounce to 300 feet of drill, and makes 3,000 plants

A vegetable intermediate between the cabbage and turnip. The edible bulb is served like turnip. Sow from May to July in rows 18 inches apart, and thin. Cultivate the same as cabbage.

EARLIEST SHORT-LEAVED WHITE VIENNA FORCING. This variety is especially adapted for early work and forcing; delicate flavor, flesh white and very tender. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; postpaid.

EARLY WHITE VIENNA. A favorite sort; flesh white and tender. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; postpaid.

EARLY PURPLE. Purple outside with white flesh. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75; postpaid.

New Heavy Yielding Garden Berry

This new fruit can be grown from the seed the first year, and produces fruit as large as a grape; the color is jet black, and when cooked can scarcely be discerned from the real huckleberry. Plant and cultivate same as tomatoes. Do not eat green. Berries make splendid pies, jelly and sauce. Parboil a few minutes in soda water, using about one teaspoonful of soda to 1 lb., of fruit. After pouring off this water add sugar and cook slowly for several hours; a little vinegar or lemon juice improves the flavor. Very desirable while waiting several years for hardy fruits to come into bearing, or in dry climates where the ordinary small fruits do not succeed. Pkt., 5c; oz., 20c; postpaid.

Garlic

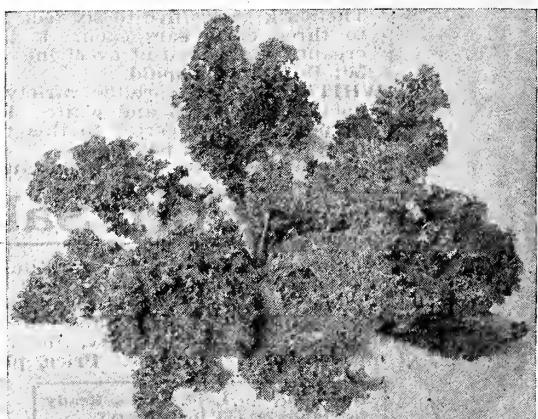
The sets should be planted in spring. Cultivate same as onions. Sets, per oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 40c; postpaid.

Kale or Borecole

This is a popular boiling-green for fall, winter and early spring use, resembling cabbage in flavor. The plant is entirely hardy in well-drained soil and can be grown easily from seed planted during the summer and fall months. The plants are usually cut off for use when the leaves are 6 inches in length. The sweetness and flavor of these greens are improved by freezing weather. One ounce should produce 4,000 plants.

DWARF GERMAN. (German Greens.) The leaves are curly, bright green, very tender, and delicate flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; postpaid.

TALL GREEN CURLED. About 2 feet high, with numerous dark green curled leaves. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; postpaid.



DWARF GERMAN KALE

Kohlrabi

One ounce to 300 feet of drill, and makes 3,000 plants

A vegetable intermediate between the cabbage and turnip. The edible bulb is served like turnip. Sow from May to July in rows 18 inches apart, and thin. Cultivate the same as cabbage.

EARLIEST SHORT-LEAVED WHITE VIENNA FORCING. This variety is especially adapted for early work and forcing; delicate flavor, flesh white and very tender. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; postpaid.

EARLY WHITE VIENNA. A favorite sort; flesh white and tender. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; postpaid.

EARLY PURPLE. Purple outside with white flesh. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75; postpaid.

Garden Herbs

Herbs delight in a rich, mellow soil. Those marked with a * are perennial. Sow early in spring in shallow drills, one foot apart; when up a few inches thin out; cut just before they come into full blossom, tie in bunches and hang up or spread thinly.



AMERICAN FLAG

AMERICAN FLAG. An old favorite. Large with broad leaves growing only on two sides; enormous size; best for forcing; excellent keeper. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; postpaid.

DILL. Leaves and seed are used in soups, sauces and pickles. It reseeds itself each year. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; postpaid.

***LAVENDER.** Aromatic, medicinal herb. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; postpaid.

MINT. The old-fashioned mint has been growing in favor of late years. Used in flavoring meats, etc., also for mint sauce. Easily grown. We offer only roots. Price, per clump, 15c; 2 for 25c; postpaid.

***MAJORAM (Sweet).** Leaves and shoots for seasoning. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; postpaid.

***SAGE.** Most useful herb for seasoning. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; postpaid.

SUMMER SAVORY. Used for flavoring soups. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; postpaid.

LEEK. The Leek is a very hardy plant with a sweet onion-like flavor. It does not make bulbs, but the plant has a long, thick neck somewhat resembling the young growth of the onion in the spring. These necks or stems are blanched in the fall by drawing the earth up about them as the plants increase in growth; or they may be taken up and set in trenches in the same manner as celery for blanching. The flavor is greatly improved by freezing, and the large stems can be kept in excellent condition until well on in the spring. One ounce will plant 100 feet of row.



LEEK

***THYME.** For medicinal use. Price, pkt., 5c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; postpaid.

Mustard



When young, the leaves are used for salad, which although slightly pungent, is very appetizing. Mustard may also be cooked like Spinach and will make a very wholesome and delicious food. Sow early in the spring in shallow drills. One ounce will sow 50 feet of drill.

CHINESE. The immense leaves grow rapidly, and can be cut frequently until killed by frost. Leaves are eaten boiled, like Spinach. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

MAMMOTH SOUTHERN CURLED. The large curled-leaf variety, popular in the South, where the seed is sown in the fall for spring use. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

WHITE. A small pungent salad; the seed is also used for flavoring pickles, etc. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c; postpaid.

Mushroom Spawn

The Mushroom is a delicious edible fungus of which there are numerous varieties. We handle the ordinary commercial variety of a creamy white color with loose gills which underneath are of pinkish-red, changing to liver color. These can be grown in a warm cellar or enclosed shed in which an even temperature can be maintained of fifty or sixty degrees and where a plentiful supply of fresh horse manure for making the bed can be obtained.

AMERICAN (Pure Culture Spawn). Produced by the new grafting process, from selected and most prolific varieties, has never failed to run. Price per brick (enough for 8 square feet), 35c; 5 for \$1.50; by mail, postpaid. By express, at buyer's expense, per brick, 25c; 6 bricks, \$1.40; 12 bricks, \$2.75.



MUSHROOM CULTURE

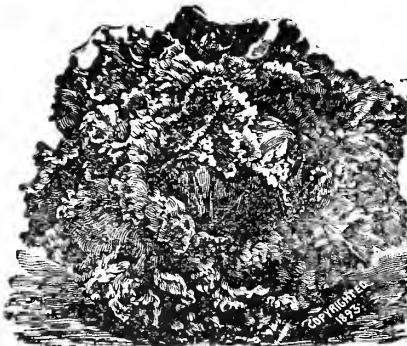
A most practical work on the growing of Mushrooms. Describes how they may be grown with profit by market gardeners, and also how to grow them for home use. Illustrated 32 pages. Price 35c; postpaid.

Lettuce

One ounce to 400 feet of drill. Ready for use in 3 or 4 weeks; marketable size 60 to 75 days from seed.

Lettuce thrives best in light, very rich, moist soil, but does well in common garden soil enriched with rotten manure. For first crop sow in gentle heat in February, and transplant to 10 inches apart. It may be sown thickly and cut when plants are very young. For a summer supply sow thinly in shallow drills in a cool, partially shaded place, in rich soil, and thin to a foot apart.

Cabbage or Heading Varieties



ICEBERG

The best results with head or cabbage sorts is only obtained when the plants are transplanted several times.

HANSON. Forms a large, flat head, resembling that of cabbage and so slow to form a seed stalk that it often fails to seed at all. Very tender and sweet. A standard summer heading lettuce. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 85c; postpaid.

DENVER MARKET. An early variety of Head Lettuce, either for forcing or open ground. It forms large heads, of good light green color. The leaves are blistered (like the Savoy Cabbage), very crisp and tender. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c; postpaid.

ICEBERG. Makes a large, handsome, crisp head, conical in shape, tightly folded and well blanched; outer leaves fringed. Very highly esteemed for its beautiful appearance and mild flavor, even during hot summer months. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c; postpaid.

Curled or Loose Leaf Varieties

BLACK SEEDED SIMPSON. The leaves are large and form a compact mass. They are thin, tender and of a very light green color. Well adapted for growing under glass or for very early spring use. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 85c; postpaid.

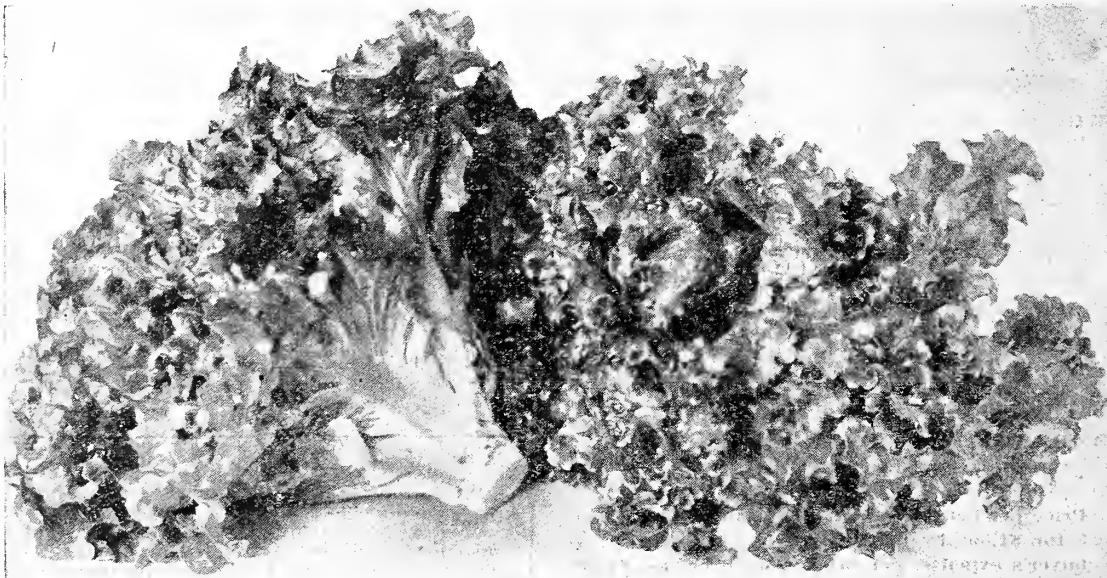
EARLY PRIZE HEAD. Forms a mammoth plant, in which even the outer leaves are crisp and tender; color bright green tinged with brownish red. It is of a superb flavor and very hardy. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 85c; postpaid.

EARLY CURLLED SILESIA. An early, erect growing and loose heading lettuce, especially adapted for outdoor planting, and can be used when very young. Exceedingly sweet and well

flavored. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c; postpaid.

GRAND RAPIDS. As a lettuce for greenhouse forcing, this variety undoubtedly stands at the head of the list, being of quick growth, little liable to rot and standing for some days after being fit to cut. The plant is upright and forms a loose cluster of large, light leaves. It is also excellent for outdoor planting. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c; postpaid.

SIMPSON'S EARLY CURLLED. Leaves broad, frilled and blistered. Light green, sweet, tender, and well flavored. An early, erect growing sort. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c; postpaid.

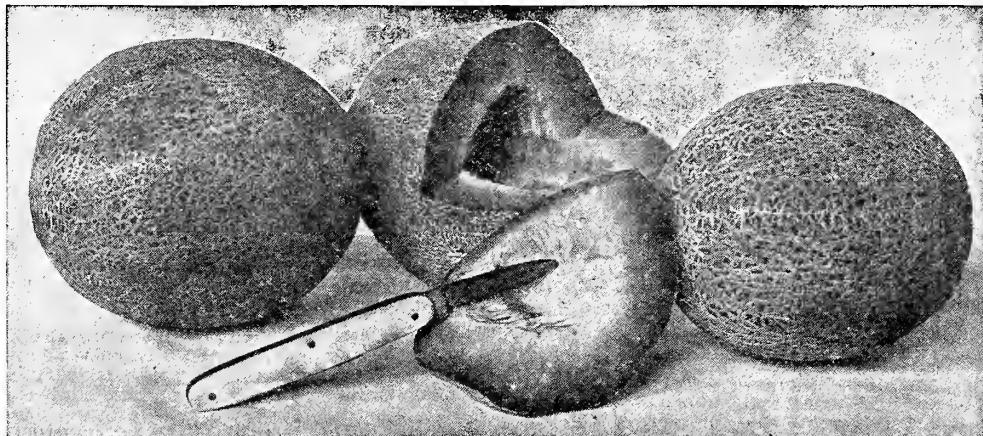


GRAND RAPIDS

Musk Melons

One ounce to 50 hills; 2 to 3 pounds per acre. Earliest varieties ready in 90 to 100 days from sowing. General crop requires 115 to 140 days.

Melons thrive best in a light, rich soil. Plant when the ground has become warm and dry, and danger from frost is past, in hills 6 feet apart each way in well enriched soil 12 to 15 seeds in each hill. After all danger of bugs is over thin out to 3 plants per hill. When about three feet long, pinch off the tips to make them branch, and the fruit matures earlier. G. Green Flesh. S. Salmon Colored Flesh. Y. Yellow Flesh.



OSAGE or MILLER'S CREAM

OSAGE or MILLER'S CREAM. S. A standard sort, medium size, oval, dark green, netted, and slightly ribbed. The flesh is thick, and firm, rich salmon, highly flavored and delicious to the rind. Price, pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., \$1, postpaid.

EMERALD GEM. S. Where an extra early melon for home use is wanted nothing can equal this superb sort. Of medium size, outside skin emerald green and smooth. Ripens clear through to rind, which is very thin. Flesh is thick and juicy, of nice salmon color; for sweetness and rich, aromatic flavor it is unequalled. A prolific bearer and just the melon for the small grower. Price, pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., \$1.00; postpaid.

HOODOO. S. A new early orange flesh variety of oval shape and uniform in size. The flesh is very thick, of fine grain and sweetest flavor; a heavy yielder. Somewhat resembles Rocky Ford. Splendid shape for serving in halves. The rind being tough, makes it a good shipper. Price, pkt., 5c; oz., 15c; 1/4 lb., 35c; lb., \$1.00; postpaid.

ROCKY FORD. G. This variety, well shown by our illustration, has everywhere been in great demand by the high-class hotels and restaurants. Hundreds of carloads have been shipped from the little town of Rocky Ford, Colo., to the large cities, driving out the home grown. Of just the right size for table use, slightly oval in shape, flesh thick, of light green color, and fine, juicy, luscious flavor. Very early and wonderfully productive. Price, pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25 postpaid.

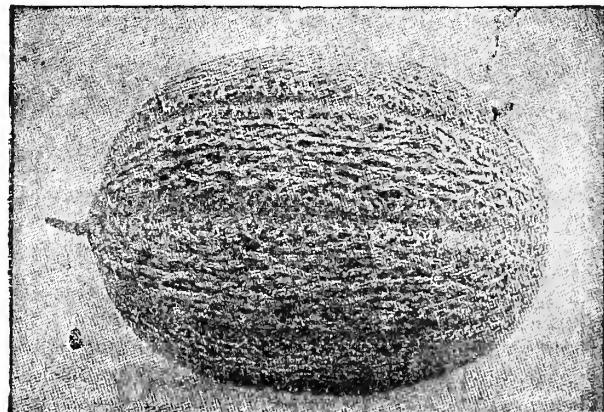
ROBINSON'S DELICIOUS GOLD LINED ROCKY FORD CANTALOUP. This strain of the Eden Gem type is the result of several years' selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs and it is heavily netted over the entire melon. Is thick meated, fine grained and sweet; color green with a gold margin next to the seed cavity. Price, pkt., 5c; oz., 20c; 1/4 lb., 70c; lb., \$2.00; postpaid.

LONG ISLAND BEAUTY. G. Fruits of large size, well flattened, heavily ribbed and netted. Of very handsome appearance. Ripens as early and is similar to Hackensack, but superior. Price, pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 85c; postpaid.

TIP TOP. Y. Every fruit produced, whether big or little, early or late in the season, is a good one—sweet, juicy and fine flavor, firm, but not hard fleshed, eatable to the very outside coating. Price, pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., \$1; postpaid.

NUTMEG. G. Fruits round, seven inches in diameter, slightly flattened at the ends. Well ribbed and heavily netted; thick pale-green flesh, sweet and melting. Price, pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 75c; postpaid.

GRAND. S. A most excellent new melon of a peculiar rich green color, slightly ribbed and netted. Has uniformly rich, thick, salmon-colored flesh of most excellent flavor. It is from ten to fourteen days earlier than Osage. Price, pkt., 5c; oz., 10c; 1/4 lb., 35c; lb., \$1.00; postpaid.



ROCKY FORD

Musk Melons—Continued

CHICAGO MARKET. G.. This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

EDEN GEM or NETTED ROCK ROCKY FORD CANTALOUP. G. This magnificent new musk melon is a selection of the old Rocky Ford, which it completely surpasses in lusciousness, yield, carrying, and good selling qualities. In shape, it is somewhat longer and a trifle larger and closer and deeper netted. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25; postpaid.

BANANA CANTALOUP. S. The melons grow 24 to 30 inches long; stand summer sun as no other cantaloupe will and continue to bear until late in the season. The salmon-colored flesh is thick and of delicious banana-like flavor. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.35; postpaid.

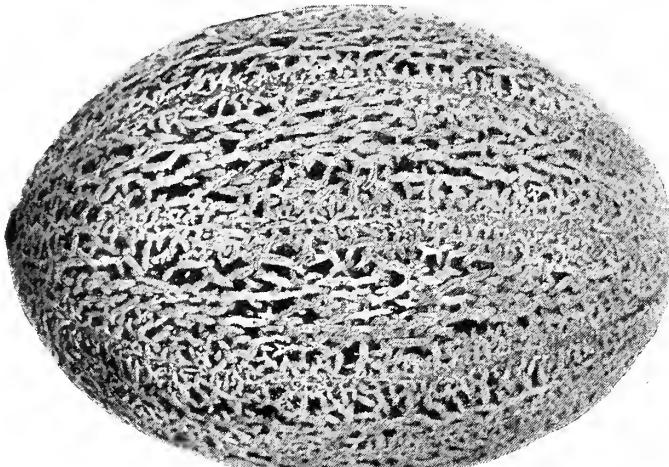
BURRELL'S GEM. S. Very much like the Rocky Ford, but has orange colored flesh. The flesh is fine grained and spicy. It is a good keeper. Fruits large and somewhat elongated. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c; postpaid.

PAUL ROSE or PETROSKY. S. It is an ideal melon. Form oval, about 5 inches in diameter. It has the flesh color and quality of Osage with a flavor entirely its own. It has no equal as a market melon for professional growers, as it does not break down in shipping. Its fine flavor, rich quality, netted skin and basket packing size makes it a winner. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; postpaid.

EXTRA EARLY HACKENSACK. G. Ten days earlier than Hackensack. Melons weigh 4 to 10 lbs. each. This is one of the best, earliest, hardest, most prolific of netted melons. Fine flavor. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

HACKENSACK. G. A popular variety of large size. It is round in shape, flattened at both ends, of most delicious flavor and wonderfully productive. Flesh green. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

VINE PEACH. S. The fruit is a bright orange color, oval-shaped and about the size of an ordinary peach, which it resembles very much. These melons are not eaten raw unless when dead ripe, but are unequaled for pies, preserves or sweet pickles. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.25; postpaid.



SANTA CLAUS MELON

SANTA CLAUS MELON. Just think of having a melon to eat with your Christmas dinner! But this is what is claimed by the originator of this wonderful novelty. There is no seed cavity. The seeds are embedded in a jelly like pulp. The light green flesh is absolutely stringless; its flavor excels anything in the melon line; it is in a class by itself, and is beyond description. When first taken from the vine the rind is crisp and very hard; after four or five weeks there is less crispness to the touch and a slight giving way to pressure. This melon should become more popular than the Rocky Ford, because it is more delicious and it is a Christmas melon. Price, per pkt., 10c.

To Make a Hotbed

A hotbed should face the south or southeast, be located on well drained ground, and if possible be protected on the north by a building or high fence.

6x10 feet will be large enough for an acre of garden. Sashes are usually 3x6 feet. Dig a trench 2 feet deep, around this place a frame 16 inches high at the back and 8 inches in front. Fill the hole with fresh horse manure that has lain for a week or ten days, tramping it down firmly and covering with 4 inches of fine, rich, black soil. Place the sashes over the frame. After standing a few days lift the sashes to allow the rank heat and steam to pass off; when the temperature has subsided to 90° F. sow the seed. It is best to bank the outside of the frame up to the sash.

The hotbed may be all above ground by making a pile of manure 2 feet high, and 3 feet longer, and 2 feet wider than the frame, fill in with black soil and complete as directed for the excavated bed.

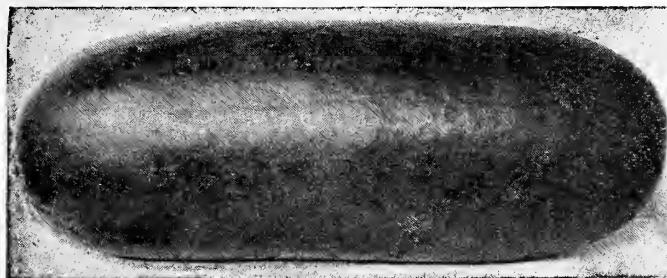
When plants are nearly ready for outside lift the sashes every pleasant day, gradually hardening off the seedlings.

Frame and shades should be stored away at the close of the season and will thus last for years.

Watermelons

Ready from 90 to 140 days from seed. One ounce to 30 hills; 4 lbs. per acre.

To get good strong vines early in the season, make large, well drained hills of earth, made very rich, about eight feet apart. In these plant the seed as soon as the ground is warm and dry, and carefully protect the young plants from insects, and hasten their growth by the use of liquid manure. ls., light seed; ds., dark seed.



TOM WATSON

TOM WATSON. The Tom Watson melon has in a few years become one of the most popular of all shipping melons. The fruits are similar in shape, color and splendid quality to the Kleckley Sweets, but average larger in size and have a tougher rind, making them especially adapted for shipping. They ripen but a few days later than the Kleckley Sweets. It is one of the very best melons to grow for the market and will command highest prices. Price, pkt., 5c; oz., 10c; 1 lb., 25c; lb., 75c; postpaid.

CUBAN QUEEN. ds. One of the latest varieties, skin striped dark and light green; heavy cropper; flesh bright red, luscious, crisp, sugary. A favorite melon for home and market. One of the best keepers, and a first rate shipper. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

HALBERT'S HONEY. ls. A splendid sort for home use or local market. Vine vigorous and productive; fruit large and oblong; color dark glossy green; flesh very bright, rich red, and exceedingly sweet, extending close to the rind, too crisp and brittle to be a good shipper. Price, pkt., 5c; oz., 10c; 1 lb., 25c; lb., 75c; postpaid.

SWEET HEART. ds. Vine vigorous and productive, ripening its fruit early; fruit large, oval, very heavy, uniformly mottled. Green and light green; rind thin, but firm; flesh bright red, firm and solid but very melting and sweet. The melons retain their good quality for a long time. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

FLORIDA FAVORITE. A splendid melon of very large size and excellent quality. Fruits long, dark green, mottled and striped with lighter shade; rind thin but firm. Flesh very bright, deep red, very sweet and tender. Vines vigorous and productive. Seed white. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 60c; postpaid.

THE DIXIE. This watermelon is the best shipping melon grown, being even larger, earlier and far more productive than the Klob's Gem, which has heretofore been considered the best melon for shipping. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

GYPSY or GEORGIA RATTLESNAKE. One of the largest, oldest and most popular sorts, especially in the South. Fruit very long, of light green color, distinctly striped and blotched with a darker shade. Flesh bright scarlet, very sweet and tender. Vines large and vigorous. Seed nearly white. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

COLORADO PRESERVING. ds. This is a large-fruited strain of citron for preserving. Flesh clear white and very solid. Green seed. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

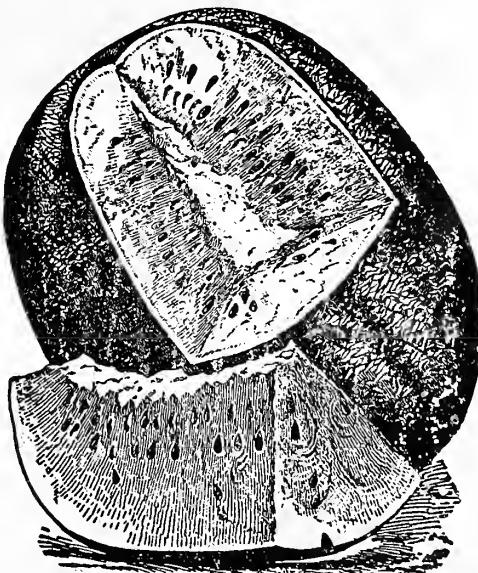
ALABAMA SWEET. ls. This is a large, oblong melon; color, dark green with faint lighter stripes. Being of good size though not ungainly, it is first class for shipping purposes. Its flavor is simply delicious, it is entirely stringless. We can not recommend it too strongly. Rind thin but very tough; flesh bright red, fine grained and sweet. Fruits average a little thicker than Florida Favorite. Seed white. Price, pkt., 5c; oz., 10c; 1 lb., 25c; lb., 75c; postpaid.

BLACK BOULDER. ds. It is enormously productive, nearly round in shape, reaching a mammoth size, with rich dark green skin; flavor equal to any melon, and shipping qualities excellent. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 65c; postpaid.

McIVER'S WONDERFUL SUGAR. ls. The melons attain a great weight, are of a very handsome appearance, never crack or lose their fine flavor. It is a very productive and hardy variety and one that will take the lead wherever known. Oblong; striped skin. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 65c; postpaid.

DUKE JONES. (Jumbo.) ls. Very large, nearly round, dark green; flesh solid, deep red, and of fine quality. Very productive. A good shipper. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 60c; postpaid.

ICE CREAM (Peerless.) ls. It is medium in size, almost round; the skin is pale green; slightly mottled; flesh bright scarlet, solid to the center, sweet, melting and delicious. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.



SWEET HEART

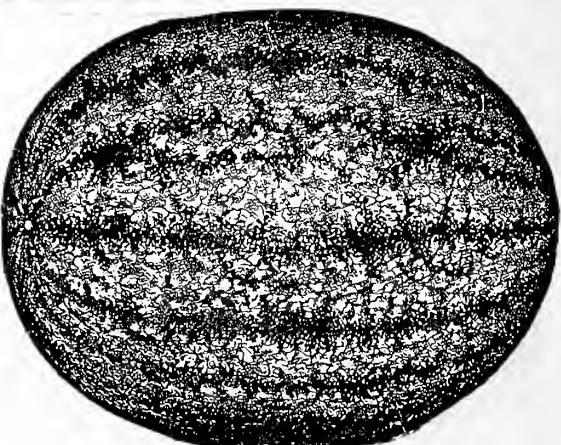
Watermelons—Continued

KENTUCKY WONDER. One just cause for criticism of many of the new melons is that, for the most part, they have been, at the best, slightly improved strains of some old and well known sort. This cannot be said of Kentucky Wonder. It is distinct, and the melon itself proves it. In shape it is oblong, attaining a good size; skin dark green and beautifully marked. Flesh a beautiful rich scarlet color, crisp, rich, sugary, always firm and solid, never mealy or tough. Large. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c; postpaid.

PHINNEY'S EARLY. Very early, quality good; hardy. Bears abundantly, medium sized, oblong melons with thin, smooth rind; flesh pink and tender. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c; postpaid.

KLECKLEY'S SWEETS. (Monte Cristo.) ls. Large oblong melon, skin dark green. The rind is only about $\frac{1}{2}$ inch in thickness. The scarlet flesh is sweet and sugary and is of such texture that it leaves no strings of pulp in eating. The melon is better for home use than for shipping, and we believe it is the best table melon today. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

COLE'S EARLY. ds. This is a very choice melon for the home garden and can be grown farther north than any other variety. The flesh is bright red, crisp, and very delicate in texture; sweet and refreshing in flavor. It is an abundant bearer, of medium size fruit, and very solid with thin rind. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c; postpaid.



COLE'S EARLY

KOLB'S GEM. For many years a favorite sort among Northern market growers. On account of its excellent shipping qualities it is extensively grown for that purpose. Nearly round; color a dark green with lighter narrow strips. Very thin rind; flesh bright red, good flavor. Our seed is choice. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c; postpaid.

MOUNTAIN SWEET. The old standard, still quite popular in the North, where the large fruited Southern sorts do not ripen. Early, fruit large, oval, rind dark green, flesh scarlet. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c; postpaid.



KOLB'S GEM

Collection No. 2

7 BEST LINCOLN BRAND MELONS
25c POSTPAID

This collection will furnish an ordinary sized family plenty of first class Water Melons and Musk Melons all season. It includes one 5c packet of Emerald Gem, Rocky Ford, Paul Rose and Osage Musk Melons. These ripen successively in the order named, also one 5c packet of three of the very best Water Melons in existence, Tom Watson, Kleckley Sweets and Sweet Heart. We will send this collection postpaid to any address for 25c.

Free — \$1.00 BOOK — Free

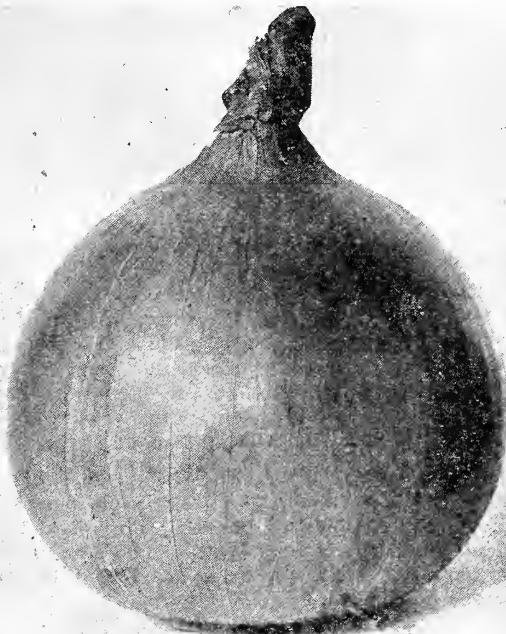
Griswold's Ready Reference Farm Guide

You cannot afford to be without the Farmer's Ready Reference Book. Contains 192 pages of the most vital interest to the Farmer, Gardener, Ranchman, Dairyman, etc. Chapters on all departments of life. Each chapter written by an expert in his particular line. Government and state experts wrote it. This book is easily worth \$1.00 to anyone, and it will save you many dollars in the course of a season. Send us your order for \$5.00 worth of Seeds and a copy of this book will be sent you free, postpaid, all other premiums excluded. The supply is limited. Only one to a customer. Order today.

Onions

One ounce to 300 feet of drill; 4 to 5 lbs. to the acre. Ready for green onions in 60 days. Main crop matures in 130 to 190 days from sowing.

The onion is most successfully grown in a rich, sandy loam. Continued cultivation upon the same plot of ground, contrary to the general rule, rather improves the crop than otherwise. As early as the ground can be worked in the spring, sow the seeds in drills 14 inches apart, covering half an inch. When the plants can just be seen in the rows, commence hoeing, just skimming the surface. Subsequently weed thoroughly and carefully by hand. When the tops die, pull the onions and spread evenly over the ground; stir or turn until thoroughly dried, then cut the tops off $\frac{1}{2}$ inch from the bulb.



SOUTHPORT YELLOW GLOBE

SOUTHPORT YELLOW GLOBE. Conspicuous, large, golden yellow spheres, of exceptional beauty; a late, large, main crop variety; best keeping quality. The buyer of a packet and the planter for carload shipments are equally enthusiastic over this gem among onions. Sacked or barreled for market. Its size, beauty, quality and fine appearance make it a trade winner. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10; postpaid.

MAMMOTH PRIZE TAKER. One of the largest, handsomest, finest flavored, and in every way a choice variety of yellow onion, having been grown to enormous weight of over 6 lbs. Of a clear, bright straw color, and uniform, perfect globe shape. Produces enormous crops, brings an extra price, being sold on the market as fancy onions. Keep wonderfully well. It is unexcelled, ripens up hard and firm, and presents the handsomest possible appearance in market, while the pure white flesh is fine grained, mild and delicate in flavor. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.35; postpaid.

AUSTRALIAN BROWN. Distinct from all others; is nearly round, wonderfully hard and solid, ripens extremely early; never makes scullions; of medium size, skin a deep amber brown, flesh mild and agreeable. No other onion has such keeping qualities. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40; postpaid.

YELLOW GLOBE DANVERS. A fine productive variety, of medium size, skin coppery yellow,



YELLOW DANVERS

flesh white, comparatively mild and well flavored. Best of keepers. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25; postpaid.

EXTRA EARLY RED FLAT. Matures very early, yields abundantly, and is of mild flavor; medium size; deep red and solid. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.35; postpaid.

MAMMOTH SILVER KING. Averages 15 to 22 inches in circumference and weigh $2\frac{1}{2}$ lbs. each. It matures early and is uniformly large and of good shape, is flat but thick. Skin is clear silver white, flesh snowy white, tender, sweet and mild. Size, shape, color, quality, all make it ideal for exhibition, fancy market or table. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 55c; lb., \$1.40; postpaid.

WHITE PORTUGAL or SILVER KING. Standard white variety for general culture. Bulbs grow to good size, ripening early and quite evenly. A good keeper. Flesh is very mild and sweet; the skin a clear, silvery white, of very handsome appearance. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 55c; lb., \$1.75; postpaid.

WHITE QUEEN. This is the best of all for small pickles and the earliest ripening onion in cultivation. The bulbs, of a pure paper-white, are generally very small, averaging only one and one-half inches in diameter, and are most mild in flavor. Should be grown in every garden for early use and for pickling. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.35; postpaid.

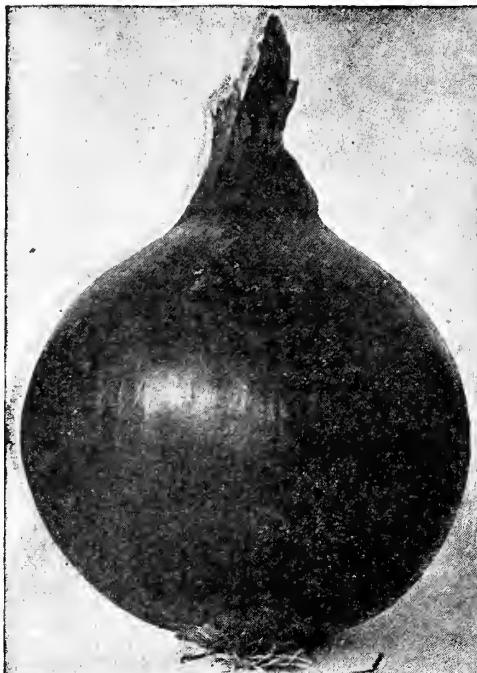
Onions—Continued

SOUTHPORT LARGE RED GLOBE. The handsomest and most richly colored of all red onions. Are remarkably uniform in size. The extra dark rich coloring makes a most attractive appearance when prepared for market. The plants are thin-necked, ripening down to a hard solid ball—insuring the largest percentage of market onions and the best keeping qualities. Flesh fine grained, mild and tender. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.65; postpaid.

LARGE RED WETHERSFIELD. This is the standard and favorite variety. Large size, deep, purplish white, stronger flavored than larger varieties. Very productive and an excellent keeper. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.65; postpaid.

SOUTHPORT WHITE GLOBE. Of all our American varieties of market onions, this generally commands the highest price. Of true globe form, the onions are two to two and a half inches in diameter, with a thin, delicate skin of purest paper whiteness. The flesh is crisp, fine grained, snowy white in color and very mild flavor. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 75c; lb., \$2.60; postpaid.

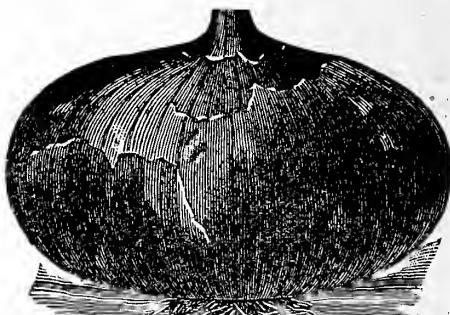
WHITE BERMUDA. The bulbs are quite broad and flat in form. The color is not a clear white, as in our American varieties, but rather a pale straw; flesh crisp, solid and mild in flavor and



RED GLOBE WETHERSFIELD

NOTICE

Take off 10c per lb. if seed goes by freight.
Take off 10c per lb. in 5 lb. lots.



RED WETHERSFIELD

early ripening. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.45; postpaid.

RED BERMUDA. Bulbs of this variety are similar in form and early ripening to the Bermuda White, but grow larger in size, ranging from three to four inches larger in diameter; very flat and of a light pink color. The flesh is white, slightly suffused with pink. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.35; postpaid.

GLOBE WETHERSFIELD RED. Remarkable for size, earliness, productiveness, beauty of color, perfection of shape, and long keeping qualities. Possesses all the excellent qualities of Red Wethersfield and Yellow Globe Danvers. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75; postpaid.

Onion Sets

Egyptian Winter or Red Perennial. A hardy onion for September and October planting. Orders booked now. Entirely distinct from all other varieties of onion; being perfectly hardy everywhere. They should be planted in the fall and left in the ground all winter. These sets never form large bulbs but produce the earliest, small, green onions, ready for home or market use weeks ahead of any other sort, unsurpassed in sweetness and tenderness. It is best to replant every autumn and use both roots and tops the following spring. Slight winter protection is required, just a few inches of coarse litter spread on the crowns after the ground freezes to prevent root heaving. Orders sent before fall will be filled in September. Price, pt., 15c; qt., 30c; 2 qts., 50c; postpaid.

	PRICES	Postpaid	By Express
Red Bottoms.....	\$0.15	\$0.25	\$0.15
Yellow Bottoms.....	.15	.25	.15
White Bottoms.....	.20	.30	.20
Winter Tops.....	.15	.25	.15

Write us for prices on onion sets in larger lots.

A Good Book for Your Library

VEGETABLE GARDENING. By Samuel Green, tenth edition. A manual on the growing of vegetables for home use and market. Profusely illustrated. 252 pages, price 12 mo. cloth, \$1.00; paper, 50c.



PREMIUM GEM

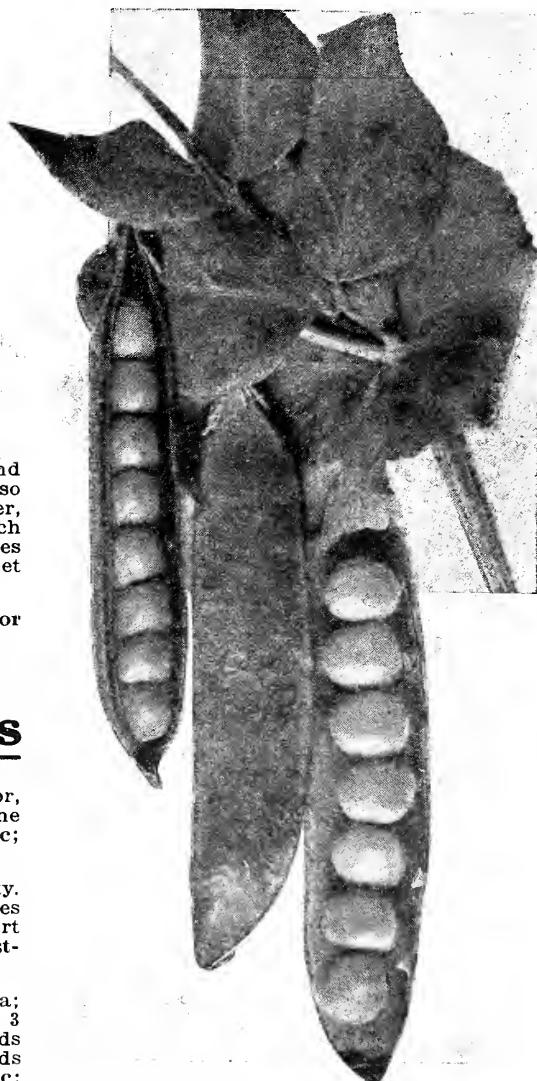
ure is kept about the roots than if sown on the level and afterwards hilled up. The wrinkled varieties are not so hardy as the smooth sorts and should be planted later, owing to their liability to rot in the ground, but are much superior in flavor to the smooth Peas. Dwarf varieties sow in rows 1 foot apart, and taller sorts from 2 to 3 feet apart. Those marked thus * are wrinkled and sweet.

If sent by express at buyer's expense, 5c per pint or 10c per quart may be deducted from these prices.

Peas

One quart to 100 feet of drill.
1½ bushels per acre.

For the first early Peas sow in light, rich soil, as early in March or April as the ground can be worked; for later varieties, sow in April or May. Discontinue sowing from June to August, after which, by sowing an extra early sort, a good crop can generally be secured. As Peas suffer considerably from drought during the hot summer months, it will be found of great benefit to sow the Peas in a trench six inches in depth, covering the Peas to a depth of two inches. As soon as sufficient growth has been made draw the earth about the vines. In this way a great deal more moist-



NOTT'S EXCELSIOR

Extra Early Varieties

ALASKA. 2 feet. The earliest blue pea, of good flavor, dark green pods, well filled and ripen uniformly. One of the very best for market gardeners. Price, pkt., 5c; pt., 25c; qt., 40c; postpaid. Pk., \$1.75; by express.

***AMERICAN WONDER.** 1 foot. Of the finest quality. Very prolific, with pods of fine size and form; requires no brush or support. It may be planted a week apart for succession. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

***NOTT'S EXCELSIOR.** 1 foot. Earliest wrinkled pea; of close, compact, dwarf growth. The pods average 3 inches in length, and are well filled to the squared ends with large peas, unusually sweet. It not only yields heavily in pods, but also in shell peas. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

Extra Early Varieties—Continued

FIRST AND BEST. Height 2½ to 3 feet. Standard, white seeded extra early. Vines are vigorous and hardy, bearing from three to seven pods, each containing from five to seven medium sized peas of good quality. A favorite market pea. Price, pkt., 5c; pt., 25c; qt., 40c; postpaid. Pk., \$1.75; by express.

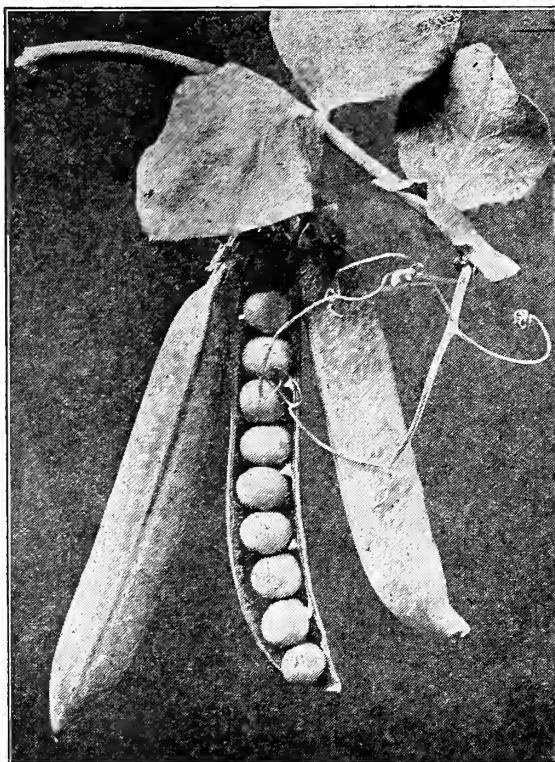
***GRADUS or PROSPERITY.** 2½ feet. An extra early wrinkled variety bearing immense pods, large peas of finest quality, superior both in size and delicious flavor. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

LITTLE MARVEL. An extremely valuable variety, especially suited to small home gardens, and is also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches in height. The pods are dark green, fair sized, produced in pairs and are closely filled with seven to eight peas of extra fine flavor. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

Second Early or Medium Varieties

ABUNDANCE. Height 2 to 2½ feet. Seed green, wrinkled. This is a heavy yielding variety and is a capital sort for family use, as in addition to its yielding capacity it possesses great sweetness and general fine table qualities. The pods are round, 3 to 3½ inches long and well filled with from 6 to 8 peas. It stands fit for use a long time. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

***ADVANCE.** 2½ feet. Long pods which are abundantly produced, and well filled to the end; of excellent flavor. A first-class pea in every respect. Price, pkt., 5c; pt., 35c; qt., 45c; postpaid. Pk., \$2.00; by express.



CHAMPION OF ENGLAND

***MCLEAN'S LITTLE GEM.** 1 foot. An early dwarf, green wrinkled pea, of superior flavor and very prolific. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

***PREMIUM GEM.** 1½ feet. The pods are large and crowded with six to eight very large peas of fine quality. The seed is green, large, wrinkled, often flattened. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

SUTTON'S EXCELSIOR. This handsome wrinkled pea is so hardy that it may safely be planted as early as the hard-seeded "Extra Earlies." The plants are dwarf, about 14 inches high, very stout, exceedingly productive, and the quality is all that could be desired. Price, pkt., 5c; pt., 20c; qt., 35c; postpaid. Pk., \$2.25; by express.

TOM THUMB. 9 inch. A smooth, white sort, very dwarf. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

***EVERBEARING.** 2 feet. Peas are very large, of excellent quality. For continuance and profusion of bearing, this variety is unexcelled, which gives especial value for the late summer and autumn use. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

***HOSFORD'S MARKET GARDEN.** 2 feet. A great favorite with the market gardeners. Pods are large, well filled with large peas of a delicious sweet flavor. A prolific bearer. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

Late or Main Crop Varieties

***CHAMPION OF ENGLAND.** 4½ feet. Vines are heavy, pods large, nearly straight, and well filled with tender peas, which are sweet and of excellent quality. It is a profuse bearer, most reliable late sort. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$1.75; by express.

***TELEPHONE.** 4 feet. Immensely productive. The pods are very large, so well filled with peas of excellent quality that Telephone has become one of the most prominent late peas to be grown for market. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

***IMPROVED STRATEGEM.** 2 feet. Vines of strong growth with large foliage; do not need any support. Pods of large size, well filled with large, dark green peas of rich, sweet flavor. One of the very finest. Price, pkt., 5c; pt., 25c; qt., 45c; postpaid. Pk., \$2.00; by express.

WHITE MARROWFAT. 4 feet. Vines are very robust. Bears many pods, always well filled. The peas are of only ordinary quality. Price, pkt., 5c; pt., 20c; qt., 35c; postpaid. Pk., \$1.50; by express.

MELTING SUGAR. This is the best of the edible peas. The pods grow about 5 to 6 inches long, are stringless and very tender, and may be used the same as a snap bean; 3 to 4 feet. Price, pkt., 5c; pt., 30c; qt., 45c; postpaid. Pk., \$2.00; by express.

CANADA FIELD AND COW PEAS. (See Forage Plants, page 50.)

*Wrinkled and Sweet.

25000

Parsley

One ounce to 150 feet of drill.

Soak the seeds a few hours in lukewarm water and sow early in the spring in drills one foot apart. Thin out to four inches. A few seeds sown in onion rows use no space. To preserve in winter, transplant to a light cellar or glass frames. Parsley is esteemed for flavoring and for the beautiful appearance of the fresh green leaves as a garnish.



CHAMPION MOSS CURLED PARSLEY

CHAMPION MOSS CURLED. The plant resembles a tuft of finely curled moss, leaves extra large, and a rich deep green. Valuable for garnishing and also as ornamental foliage plants for borders of beds. Grows in window boxes. Price, pkt., 5c; oz., 15c; 1 lb., 35c; lb., \$1.00; postpaid.

EXQUISITE. Beautiful and closely curled leaves of dark green, flavor excellent. As a pot plant for winter in window or on dining table it is simply "exquisite." Price, pt., 5c; oz., 15c; 1 lb., 35c; lb., \$1.00; postpaid.

TURNIP-ROOTED or HAMBURG. The root is the edible portion of this variety, and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to Celeriac. Very hardy and should be cultivated like parsnip. Extensively grown and used for flavoring soups, etc. Foliage same as plain parsley. Price, pkt., 5c; oz., 15c; 1 lb., 35c; lb., \$1.00; postpaid.

Parsnips

One ounce to 100 feet of drill; 5 or 6 lbs. per acre. Matures in 125 to 140 days from seed.



Sow in April or early May. Cultivate the same as carrots. They may be dug in the autumn and stored for winter use, but if left in the ground till spring are very much improved in flavor. Sow a liberal quantity of seed, as from its nature it does not always come up well.

HOLLOW CROWN. Standard variety; roots long, very smooth; white, tender, sugary, and of excellent flavor. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

IMPROVED GURNSEY. (Improved Half Long.) The roots do not grow so long as the Hollow Crown, but are of greater diameter and more easily gathered. Very smooth, the flesh fine grained and of excellent quality. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

HOLLOW CROWN

Okra or Gumbo

One ounce to 40 feet of drill. Ready for table in from 90 to 105 days.

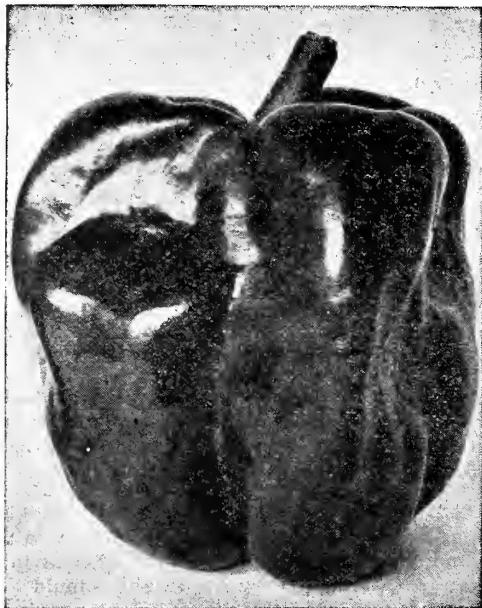
The pods when young are used in soups, stews, etc. The plants are of the easiest culture. Sow at the usual time for all tender vegetables, in drills two inches deep, setting the plants 2 feet apart.

IMPROVED DWARF. An early variety, pods comparatively short but very numerous. Price, pkt., 5c; oz., 15c; 1 lb., 25c; postpaid.

WHITE VELVET. Pods round, smooth, large and attractive; produced in great abundance. Price, pkt., 5c; oz., 15c; 1 lb., 25c; postpaid.



WHITE VELVET



CHINESE GIANT

LARGE BELL or BULL NOSE. Large and early; square shouldered, flesh thick, and less pungent than most other sorts; much used for mangoes. Price, pkt., 5c; oz., 25c; 1 lb., 65c; postpaid.

MONSTROUS. Of an irregular conical shape, one side usually being convex, the other concave. One of the most mild in flavor. Very large and of deep red color when ripe. Price, pkt., 5c; oz., 30c; 1 lb., 75c; postpaid.

SWEET MOUNTAIN. Similar to Bull Nose, though usually larger in size and longer; of very mild flavor. Much used for mangoes. Price, pkt., 5c; oz., 25c; postpaid.

RED CHILI. Fruit is small, bright red, very hot and pungent. Plants are very productive. Generally used for making pepper sauce. Price, pkt., 5c; oz., 25c; postpaid.

RUBY KING. This is the most popular large red pepper. Plants grow 2 feet high and bear a fine crop of handsome, extra large, scarlet fruits. The flesh is quite thick, sweet, and so mild that the peppers may be eaten from the hand like an apple. Especially fine for mangoes. Price, pkt., 5c; oz., 25c; 1 lb., 65c; postpaid.

Peanuts

Culture very simple. Plant in light, sandy soil in April, in pods or shelled, two to a hill on level ground. Hill up from time to time as required. Price, pkt., 5c; lb., 25c; postpaid.

Peppers

One ounce to 2,000 plants. Requires from 125 to 160 days from sowing to maturity.

The small peppers are the hottest, the large varieties being quite mild in flavor. Sow in hotbed early in April and transplant to the open ground when weather is favorable. They may also be sown in the open ground when danger of frost is past and the soil is warm.

CHINESE GIANT. This desirable variety, of recent introduction, is undoubtedly the largest sweet pepper ever offered. The flesh is quite thick, very mild and remarkably sweet. Chinese Giant is certainly a wonder. The plants are of strong, stocky growth, of bushy, erect habit, growing 18 inches to 2 feet in height, with abundant foliage. The compact plants are very prolific, setting 3 to 4 extra large fruits at the base, quite early in the season, which ripen while a second crop is setting on the branches. The fruit is quite square in appearance. Price, pkt., 5c; oz., 30c; 1 lb., 90c; postpaid.

GOLDEN DAWN. Golden yellow; mild and sweet, size and shape of Large Bell. Price, pkt., 5c; oz., 25c; 1 lb., 65c; postpaid.

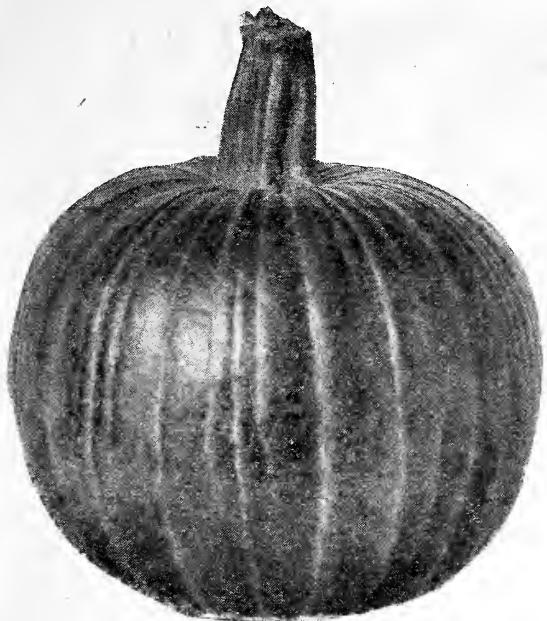
LONG RED CAYENNE. If you want a genuine hot pepper, the kind to use is the long, red Cayenne. This is the real red-hot kind. Grows 3 to 4 inches long and is very prolific, often one hundred or more to a single bush. Bright red; pods slender, hot and pungent. Price, pkt., 5c; oz., 25c; 1 lb., 65c; postpaid.



RUBY KING

We want to impress on all of our customers the necessity of buying pure seeds. We supply only such seeds as we find show a high percentage of purity. This is a very important matter to the planter. Quality in your seed counts more than in almost anything else. Beware of cheap seeds. The best is always the cheapest. When you are offered cheap lots of seeds you are almost sure to get poor quality. We reclean all of our seeds before sending them out, and put them up in first class bags; therefore, they are worth more than seeds that are not cleaned. It will pay you to take these facts into consideration when you decide from whom you are going to order your seeds the coming season. This guarantee of excellency applies also to all our supplies. The back pages of this book will be found filled with poultry foods and supplies, also all things used by the market gardener and fruit grower.

**WE CARRY A FULL LINE OF GARDEN TOOLS, SPRAYERS AND SPRAY MATERIALS.
WRITE FOR SPECIAL CATALOG.**

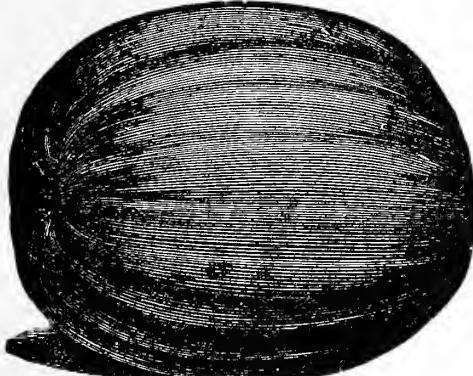


SMALL SUGAR

JAPANESE PIE. Early and productive, of medium size, large at one end, terminating in a crooked neck. Skin deep green with darker stripes; flesh is a rich salmon color, excellent quality; a good keeper. Price, pkt., 5c; oz., 10c; 1 lb., 25c; lb., 75c; postpaid.

CUSHAW or CROOKNECK. (Sometimes called a squash.) Productive; color light cream, sometimes lightly striped; flesh salmon colored, mealy and sweet. Price, pkt., 5c; oz., 10c; 1 lb., 25c; lb., 70c; postpaid.

LARGE CHEESE. This is a very popular pumpkin for pies and is quite commonly known as "Sweet Pumpkin." In size they average about as large as the Connecticut Field but are flat shaped, with creamy buff skin and thick golden flesh; tender, large, hardy and productive. Excellent for table use. Good keeper. Price, pkt., 5c; oz., 10c; 1 lb., 15c; lb., 40c; postpaid.



KING OF THE MAMMOTHS

when more sand is added, after removing trash, till it is 4 inches in depth on top of potatoes. The sprouts must be detached from the tubers without disturbing them. To do this hold the tuber in place with the left hand while the sprout is taken with the right. The sprouts are transplanted to the field and placed in rows 4 feet apart by a foot in the row. Ninety days are generally allowed from transplanting to digging.

YELLOW JERSEY, YELLOW NANSEMOND. These are the most desirable varieties. Ready about April 1. Write for prices.

SWEET POTATO PLANTS. Ready about May 1. For prices see page 7.

IRISH POTATOES. See pages 42-43.

Pumpkins

One ounce to 50 hills; 3 to 4 pounds per acre. From 100 to 120 days from sowing to maturity.

Pumpkins are planted frequently in connection with a crop of corn, or as a second crop after early peas, etc. The following varieties are all thin and tender skinned, distinct from the hard or thick-shelled squashes. The fruits are quite susceptible to frost and should be gathered and stored in a cool, dry place. If bruised they will not keep any length of time.

CONNECTICUT FIELD. An immensely productive, large, orange-colored, field pumpkin, usually grown for stock feeding, but it also makes good pies. Price, pkt., 5c; oz., 10c; 1 lb., 40c; postpaid.

SWEET POTATO. Pear shaped, good size, skin creamy white. The seed is all in the cavity of the large end, the thick neck being solid; exceptionally fine quality. Price, pkt., 5c; oz., 10c; 1 lb., 25c; lb., 75c; postpaid.

SMALL SUGAR. Fruits of small size, averaging about ten inches in diameter, of excellent keeping qualities, flattened, slightly ribbed. Skin deep orange-yellow, flesh sweet. Very early. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 60c; postpaid.



KING OF THE MAMMOTHS. (Jumbo or Potiron.) Weighs from 40 to 150 pounds. Round, flattened at both ends, skin and flesh bright yellow. It makes a good table pumpkin. Good keeper. Price, pkt., 5c; oz., 10c; 1 lb., 30c; lb., 90c; postpaid.

Sweet Potatoes

One bushel of potatoes should produce 2,000 sprouts. 6,000 to 7,000 plants to the acre.

Succeeds best in light, sandy soil. Stable manure is the best fertilizer. To obtain the sprouts, the entire potatoes are planted in beds, say 5 or 6 feet wide, and as long as required, the bed being opened 20 inches deep, filled with stable manure, and covered with 4 inches of sand. The potatoes are placed upon the sand 1 inch apart and covered with an inch of sand. This is covered with old hay or trash till the sprouts appear.

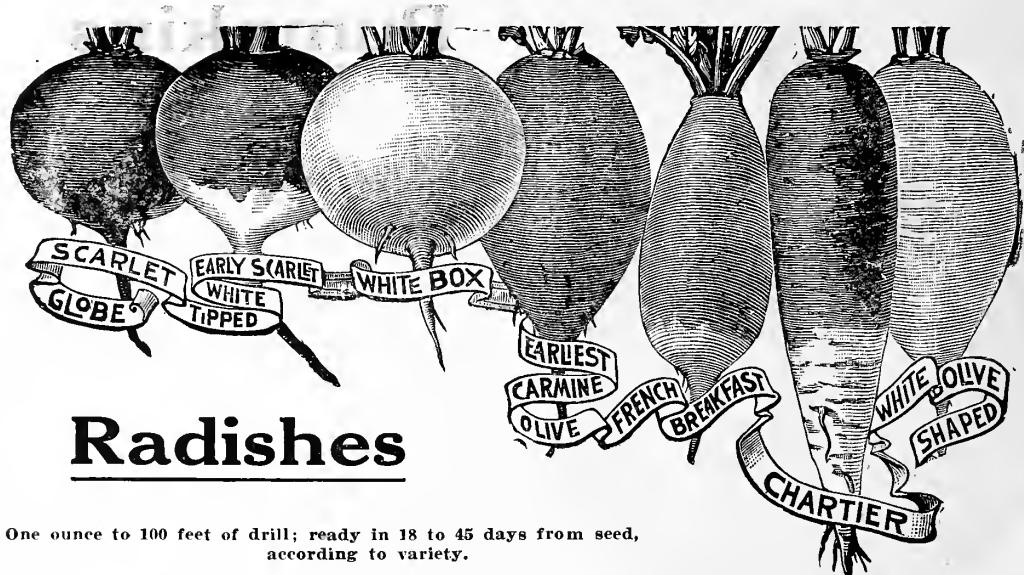
when more sand is added, after removing trash, till it is 4 inches in depth on top of potatoes. The sprouts must be detached from the tubers without disturbing them. To do this hold the tuber in place with the left hand while the sprout is taken with the right. The sprouts are transplanted to the field and placed in rows 4 feet apart by a foot in the row. Ninety days are generally allowed from transplanting to digging.

YELLOW JERSEY, YELLOW NANSEMOND. These are the most desirable varieties. Ready about April 1. Write for prices.

SWEET POTATO PLANTS. Ready about May 1. For prices see page 7.

IRISH POTATOES. See pages 42-43.

TO MAKE A HOTBED, SEE PAGE 20



Radishes

One ounce to 100 feet of drill; ready in 18 to 45 days from seed, according to variety.

Radishes must make a rapid growth to be crisp and tender. For early use sow in the hotbed, half an inch deep. For an early crop in the open ground sow thinly in drills on rich, sandy soil as early in the spring as it is fit to work. For a succession sow every two weeks.

EARLY BIRD. Decidedly the earliest of radishes. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Early Bird is ready for the table in twenty days from the time of sowing the seed, which makes it one of the most desirable sorts ever offered for either forcing or outdoor culture. It is round, or turnip shape; of bright scarlet color and pure white flesh, which is tender, crisp and of the very best flavor. It has few and short leaves, which admit of very close growing, thus producing a large number of bundles of radishes on the same ground. Very desirable for the home garden and a money maker for the market gardener. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 60c; postpaid.

GLASS or CINCINNATI MARKET. This new radish is a fine acquisition. It is a long radish of light red color, of uniform size. The flesh is transparent white, always crisp and brittle, even if grown to a large size, and mild flavored. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 60c; postpaid.

***NON PLUS ULTRA FORCING.** This variety has as small a top and is as early as any in cultivation, making it one of the best for forcing under glass. Roots ready to pull may be had in three weeks and they remain fit for use longer than any other early variety. They are small, globular, smooth, very deep red in color; flesh is white, crisp, tender and mild in flavor. May be planted very closely owing to their small tops. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 60c; postpaid.

EARLY SCARLET TURNIP, WHITE TIP. A most popular and attractive variety, a great favorite in many large markets. The radish is bright scarlet, with white tip, and of a beautiful shape; flesh white, crisp and finely flavored. Our strain is the finest in the market. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

EARLY SCARLET TURNIP, SHORT TOP. The long, slender, handsomely colored roots are most attractive in appearance, crisp, brittle and of the choicest quality. They attain a length of 5

to 6 inches, grow half way out of the ground and are ready for use in about 25 days. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

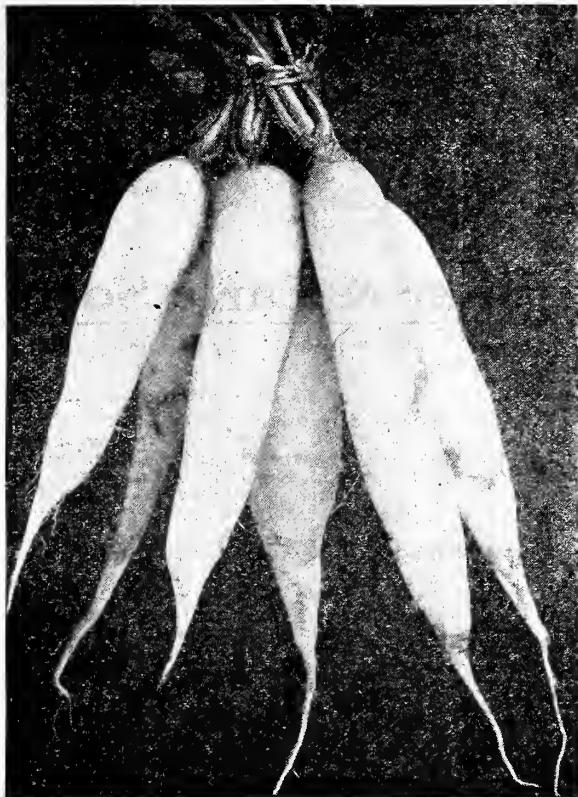
CHARTIER. One of the best varieties for growing outdoors. The radishes are in good condition for the table very early and remain hard and crisp until they reach a diameter of about 1½ inches, thus affording good roots for a long time. Roots are long, cylindrical, gradually tapering to a point, are scarlet rose in color, shading into white at the tip. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

EARLY SCARLET GLOBE. A very handsome radish of rich, bright scarlet color, and oval shape, with very small tops; the flesh is delightfully crisp, juicy and tender. An extra early variety, fit to be pulled in about 3 weeks. Our strain was selected with the greatest care as to size, shape, color and earliness. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

ROSY GEM. We have a very clean, beautiful strain of this popular sort. It is extremely early, maturing in 25 days. It is round, bright scarlet and has a handsome white tip. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 60c; postpaid.

SAKURAJIMA. A Japanese radish of immense size; some single specimens of this variety weigh as much as 15 pounds. In shape it is oval, with cream colored skin and pure white flesh. Roots are cooked like turnips, but no strong taste accompanies them, such as is frequently present with cooked turnips. The plants should be thinned out to from 12 to 15 inches apart in the rows, so as to admit of full development; must be sown in May; takes whole season to develop roots. Price, pkt., 5c; oz., 15c; 1 lb., 35c.

STUTTGART. Early giant white, large top-shaped, often 4 inches across, flesh and skin white. Remains crisp and solid even after it has attained its full size. Can be stored for winter use. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 65c; postpaid.



ICICLE

*EARLIEST CARMINE OLIVE. Excellent quality; very bright and attractive. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 60c; postpaid.

NEW SPARKLER. A distinct, new 18 to 21-day radish; has a beautiful bright scarlet top, with tip to purest white. It is solid, crisp and sweet, remaining so for a long time. Price, pkt., 5c; oz., 15c; 1 lb., 35c; lb., \$1.00; postpaid.

Radishes—Cont.

*GIANT CRIMSON GLOBE. This is a new variety suitable for forcing or early planting out of doors. It will grow to 6 and 7 inches in circumference and still remain solid and juicy, often 4 inches across. It is round to oval, and is very attractive. Price, pkt., 5c; oz., 10c; 1 lb., 25c; lb., 70c; postpaid.

EARLY SCARLET TURNIP. A round red, turnip-shaped radish, with a small top and of very quick growth. A very early variety, deserving general cultivation on account of its rich color and crisp, tender flesh. Very desirable for early outdoor planting, as well as forcing. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

LONG WHITE VIENNA or LADY FINGER. Pure white in color, of long tapering shape, very attractive in appearance, sweet, mild and delicious. Matures in 25 days. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 65c; postpaid.

WHITE ICICLE. Finest of early, pure white varieties. Ready for pulling in about three weeks from sowing. Long and slender, clear pure white, making them very attractive when on sale and on the table. It is crisp and tender both when young and until it attains larger size. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 60c; postpaid.

FRENCH BREAKFAST. A great favorite. Beautiful, bright scarlet, with pure white tip. Oblong in shape, medium size, makes rapid growth. A fine table variety on account of its excellent quality and attractive appearance. Fine for open ground or forcing. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

WHITE STRASSBURG. Of somewhat larger size and thicker than Vienna. Very solid. An excellent market variety. Four inches long, 2 inches thick. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 65c; postpaid.

WHITE BOX. Popular white variety, grows quite large. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 55c; postpaid.

WHITE OLIVE FORCING. White flesh and skin; crisp and mild flavor. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 60c; postpaid.

Winter Radishes

CALIFORNIA MAMMOTH WHITE. Pure white, about 1 foot long and 2 or 3 inches through, tapering regularly to tip. The flesh is tender and crisp, keeping well through the winter. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 65c; postpaid.

CHINA ROSE WINTER. Bright rose colored variety. The most popular of the winter radishes because of its bright color, firm flesh and long keeping qualities. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 65c; postpaid.

LONG BLACK SPANISH. One of the largest, latest, as well as the hardest of radishes. Roots of medium size, oblong black and flesh is of firm texture. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 65c; postpaid.

ROUND BLACK SPANISH. Roots round, sometimes top-shaped, 3 or 4 inches in diameter; skin black; flesh white. Fine for winter use as the roots keep a long time. Price, pkt., 5c; oz., 10c; 1 lb., 20c; lb., 65c; postpaid.

*For greenhouse forcing, hotbed planting or for extra early outdoors.

Collection No. 3

7 BEST RADISHES, 25c; POSTPAID

This collection includes 1 packet each of the following best varieties: Early Bird, Early Scarlet Turnip White Tip, Icicle, French Breakfast, Early Long Scarlet, Crimson Globe and Chinesc Rose Winter, all for 25c, postpaid.



NEW SPARKLER



SUMMER CROOK NECK

SUMMER CROOK NECK. Very early and productive. Fruit about one foot long, with crooked neck and warty surface; color bright yellow. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; postpaid.

WHITE BUSH SCALLOP. (Patty Pan.) Very early, skin white, flesh tender and delicate, bears abundantly. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; postpaid.

FORDHOOK. Small, oblong, shell yellow; flesh dry and sweet, and of good flavor. Very early; desirable for either summer or winter use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 85c; postpaid.

GOLDEN BUSH SCALLOP. A very early, flat, scalloped variety; skin deep yellow; flesh pale yellow and well flavored. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; postpaid.

Squash

From planting to maturity 100 to 125 days.

If the winter varieties are not planted until the latter part of June they are more liable to escape the ravages of the borer. Gather before injured by the frost, for winter use, care being taken not to break the stem from the squash, as the slightest injury will increase the liability to decay.

Summer & Early Sorts

One ounce to 20 hills; 4 to 5 lbs., to the acre. Hills 4 feet apart each way.

Ready for use in from 55 to 65 days from planting.

Any good, enriched soil is adapted to the growth of the Squash. The seed should not be sown in the spring until danger from the frost is past and the ground is warm and thoroughly settled. Keep the earth about the plants loose and clean. Three plants to the hill. For remedy against bugs see Insecticides, Page 117.

DELICATA SQUASH. A perfect all-season Squash, summer and winter crop on one plant. Produces fifteen to twenty fruits to a vine. Delicious chestnut flavor. Delicata produces an enormous number of fruits of such convenient size that the entire squash can be used at one time. It is ready almost as soon as the early summer sorts, is better flavored, and remains in perfect condition as long as any keeping variety. Its flavor when cooked has been compared to the sweet potato, others liken it to roasted chestnuts; but all agree that it is delicious. The fruits are about 9 inches long, and when ripe are deep yellow, irregularly striped and mottled with a dark olive green. The flesh is thick, fine texture and pale yellow in color. It is unexcelled for baking—the shape and size make it perfect for this purpose and none is better for pies. When boiled it is dry, granular and mealy. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50; postpaid.

Fall and Winter Sorts

One ounce to 20 hills; 3 to 4 lbs. to the acre. Hills 8 feet apart each way.

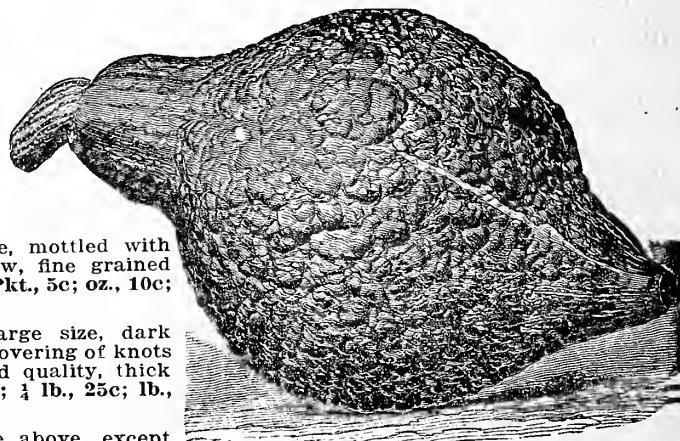
MAMMOTH CHILI. Enormous size, round, flattened at ends, skin orange color and slightly ribbed. Flesh thick and deep yellow. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c; postpaid.

ORANGE MARROW. The earliest by 10 days of the winter squashes. It is creamy orange in color; fine form, handsome appearance. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; postpaid.

BOSTON MARROW. (Autumnal). Large, oval form, skin bright orange, mottled with cream color; flesh rich salmon yellow, fine grained and good flavor, unexcelled for pies. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; postpaid.

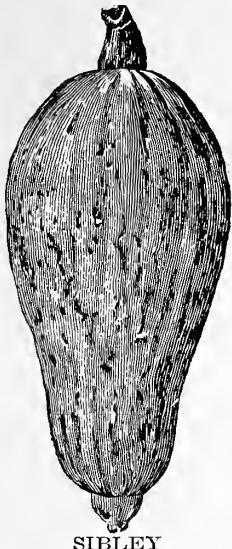
CHICAGO WARTED HUBBARD. Large size, dark green color, distinguished by a dense covering of knots (warts), a sure indication of splendid quality, thick flesh; good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

GOLDEN HUBBARD. Similar to the above, except that the skin is deep orange yellow. Flesh fine grained and of exceptional flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c; postpaid.



HUBBARD SQUASH

Squash—Continued



SIBLEY

PERFECT GEM. Nearly round; skin creamy white, flesh fine grained. Vine bears great number of small squashes. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c; postpaid.

WINTER CROOK NECK. Fruit long and crook-necked, skin dark green mixed with yellow. A fine keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

MARBLEHEAD. Resembling the Hubbard, but of a lighter color, and is remarkable for its sweetness, dryness and delicious flavor. Good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

SIBLEY. (Pike's Peak.) Pear-shaped with stem on large end, skin smooth, pale green; flesh thick, orange color; very dry, rich and delicate flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

Spinach

One ounce to 100 feet of drill; 12 lbs. to the acre

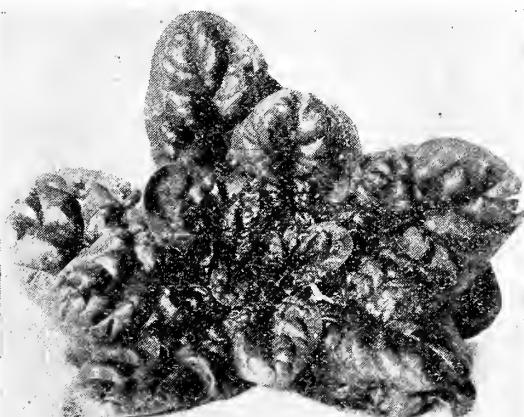
Cultivated very extensively for "greens." A profitable crop for market. Select a rich, well-drained soil, highly manured. For a succession, sow early in April and again in May in drills, one foot

apart and one inch deep, properly thinning out when the plants are an inch in the leaf. For early spring use, sow early in autumn and protect the plants with a light covering of leaves or straw.

BLOOMSDALE. (Savoy.) The earliest of all and one of the best; the leaves are numerous, curled and wrinkled. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c; postpaid.

LONG-STANDING. (Thick Leaved.) A fine market sort. Leaves large and thick, somewhat crumpled. Does not run to seed early. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 45c; postpaid.

NEW ZEALAND. Entirely different from true spinach in type, in that it thrives during hot weather and in any soil, rich or poor. The tender shoots with golden yellow leaves are of good quality and may be cut throughout the summer. This is something new, but extra good. Plant three or four seeds in hills two feet apart each way. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00; postpaid.



Salsify or Vegetable Oyster

One ounce to 75 feet of drill

Resembles a small parsnip, and when thinly sliced and cooked is a good substitute for oysters, having a very similar flavor. It succeeds best in light, rich soil. Sow early and quite deep. The leaves when they first appear look like grass, making it specially important to plant in rows. Thin out and cultivate like the carrot. Roots are perfectly hardy, and may remain out all winter, but should be dug early in the spring; store a quantity for winter use in cellar.

MAMMOTH SANDWICH ISLAND. Grows uniformly to an extra large size. The root is pure white and of superior quality. Invaluable to market gardeners. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c; postpaid.

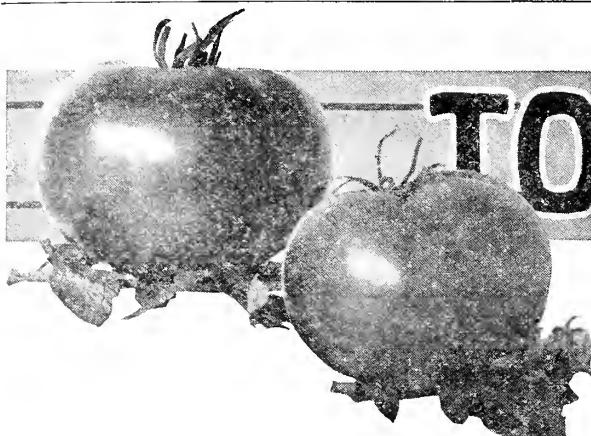


Swiss Chard or Sea Kale



Far superior to the common beet for greens, of almost the same flavor and equal to spinach. It is much easier to wash and prepare for the table. Sown early in the spring in rows, and thin the seedlings out to 6 inches in the rows, it makes rapid growth of leaves, and is fit for use for greens sooner than any other variety, and can be cut throughout the entire summer. Later the leaves grow very large, with broad, flat, wax-like stems and mid ribs, which may be cooked like asparagus or made into pickles. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00; postpaid.

Swiss Chard



TOMATOES

Mature in from 90 to 150 days from planting 1 ounce to 2,000 plants, $\frac{1}{4}$ lb. (transplanted) per acre

For early plants sow seed in boxes or hot-beds in March. When the plants are about two inches high, transplant to four inches each way. Set out of doors as soon as danger from frost is over. Transplant carefully four feet apart each way, and cultivate well as long as the vines will permit. To obtain early fruit, pinch off the ends of the branches when the first fruit is set.

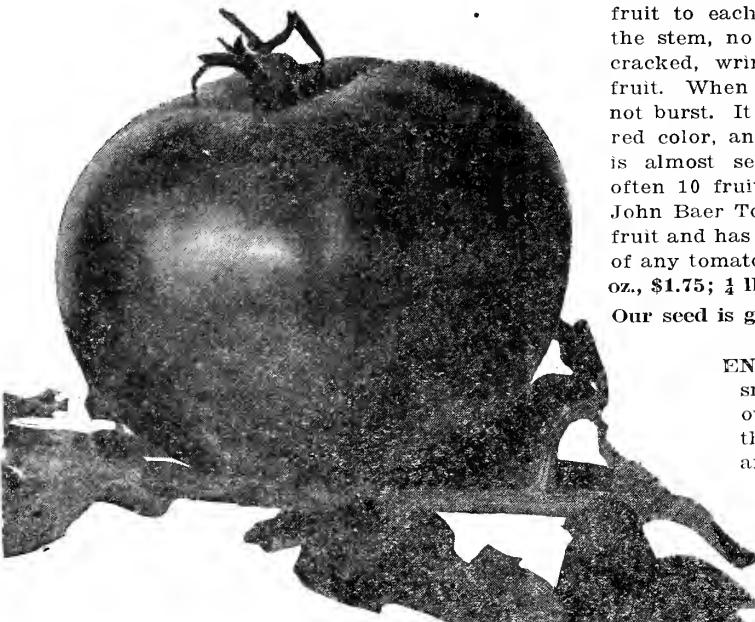
BEAUTY. Most popular of the large purple sorts. Vines large, vigorous, heavy bearers; fruit large, uniform, very smooth purplish pink skin; flesh light pink, excellent flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; postpaid.

LIVINGSTON'S CORELESS. A new, large main-crop variety. In shape it is almost round, having about the same diameter each way. It has no green core, and is of a bright red color, making it valuable either for slicing or for canning. It is very productive and the firm, solid flesh makes it one of the best market varieties. It ripens all over at the same time. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; postpaid.

JOHN BAER. The best tomato on earth. It is the offspring of two marvelous tomatoes, the result of 15 generations of improvement and selection. It produces the most perfect, high crown red tomatoes in 30 days, also an enormous crop under ordinary conditions; 50 to 100 fruit to each plant, ripens evenly right up to the stem, no cripes, no scalds, no blight, no cracked, wrinkled, one-sided, uneven, scarred fruit. When dead ripe John Baer tomato will not burst. It has a wonderful glistening, bright red color, and a mild, deliciously sweet flavor, is almost seedless, a marvelous stem setter, often 10 fruit in first cluster, solid and meaty. John Baer Tomato is the earliest, finest shaped fruit and has the best color and shipping quality of any tomato on earth. Pkt., 15c; $\frac{1}{2}$ oz., \$1.00; oz., \$1.75; $\frac{1}{4}$ lb., \$5.00.

Our seed is genuine, direct from the originator.

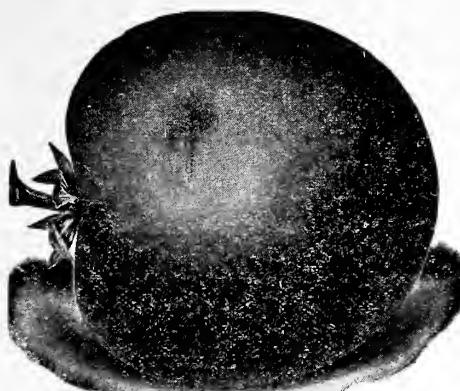
ENORMOUS. Very large, beautifully smooth, solid flesh, few seeds; rather oval shape, mid-season, ripens all through the fruit at once. Vines are not so productive as Matchless, but fruit is large. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lbs., 80c; postpaid.



JOHN BAER

FOR TOMATO PLANTS SEE PAGE 7

Tomatoes—Continued

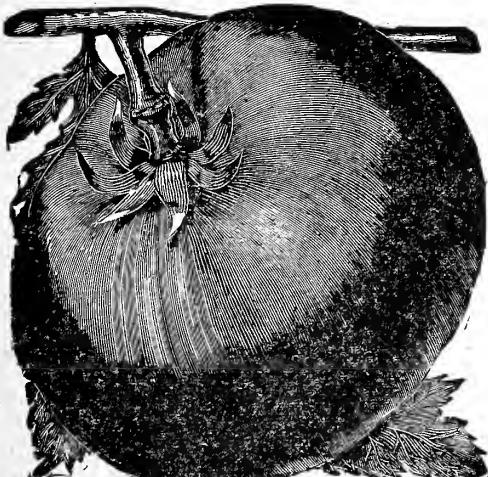


NEW GLOBE

JUNE PINK. An extra early purple-fruited tomato similar to the popular scarlet-fruited Earliana in growth of vine, shape and size of fruit and time of maturing. Pkt., 5c; oz., 25c; 1 lb., 80c; postpaid.

LIVINGSTON'S HUMMER. It is as round as a ball, and there is very little indenture about the stem, there is practically no waste in preparing the fruits for use. The flesh is rich crimson scarlet and of a very fine quality. Ripens early, and is especially good for canning. Not quite as large as some varieties, but a good keeper, thus making it a good variety for marketing. Pkt., 5c; oz., 20c; 1 lb., 95c; postpaid.

ACME. An early, purple fruited tomato, very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five. The first fruits ripen early, and the fine, smooth, large tomatoes are produced until frost comes. One of the A1 standard varieties. Pkt., 5c; oz., 20c; 1 lb., 65c; postpaid.



PONDEROSA

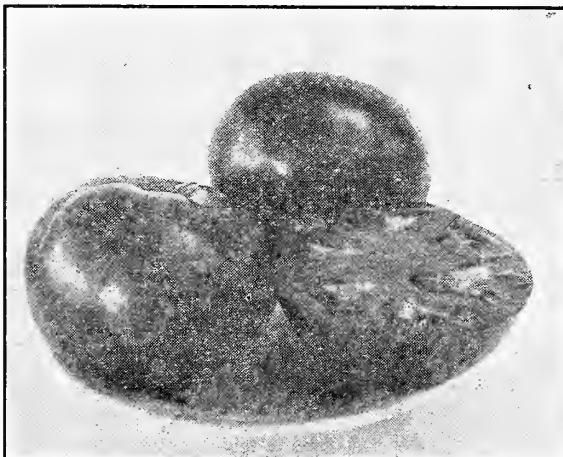
QUARTER CENTURY. Very early. Like the Dwarf Champion, only bright red. Pkt., 5c; oz., 25c; 1 lb., 75c; postpaid.

FAVORITE. (Livingston's.) Large, smooth, blood-red sort; early; ripens all over and through at once. Will bear shipping long distances. Very few seeds and has no hard, green core. Pkt., 5c; oz., 20c; 1 lb., 60c; postpaid.

TROPHY. Very fine late, bright scarlet tomato. One of the best; fruit large, smooth, very deep red color, good flavor. Well known and largely planted. Pkt., 5c; oz., 20c; 1 lb., 60c; postpaid.

GOLDEN QUEEN. Best large yellow variety. The superior flavor of the large yellow varieties is bringing them into favor as table fruit. Ripens very evenly; fruit is smooth, of good quality and fine flavor. Pkt., 5c; oz., 25c; 1 lb., 75c; postpaid.

LIVINGSTON'S NEW GLOBE. Beautiful globe shape, permitting greater number of slices than with flatter sorts. Among the first to ripen, large size, very smooth, firm fleshed, few seeds, ripens evenly; color rose, tinged purple. Flavor excellent. A good general cropper; one of the best for forcing. Pkt., 5c; oz., 25c; 1 lb., 75c; postpaid.



EARLIANA

PONDEROSA. This is the largest fruited tomato, and is of a fine quality for slicing. The vines are of strong growth; fruits oblong in form, deep through, and generally ridged or ribbed; deep purple in color. They are solidly fleshy with small seed cells; of fine flavor. Planted in good soil, fruits frequently attain weight of 1 lb. or more. Pkt., 5c; oz., 30c; 1 lb., \$1.00; postpaid.

CHALK'S EARLY JEWEL. The largest, smoothest, and finest flavored, early bright red tomato; so hardy that a very early planting can be made in the open ground. The foliage protects the fruit, borne in clusters, from sunscald, enabling the heavy crop to ripen perfectly. The tomatoes are bright scarlet, deep globe shape, and solid. Produced continuously throughout the season. Pkt., 5c; oz., 25c; 1 lb., 75c; postpaid.

EARLIANA. It is a full week ahead of all others. Plants of strong growth and very productive. Fruits large, deep red, and of superior quality. Smooth and free from cracks. Pkt., 5c; oz., 25c; 1 lb., 75c; postpaid.

STONE. This variety is very large and of a bright scarlet color; smooth, ripening to the stem without a crack; exceedingly solid; an excellent shipper; quality very best; fine for canning; a good keeper; not subject to rot; its vines and foliage rank and robust. Pkt., 5c; oz., 20c; 1 lb., 65c; postpaid.

Small Tomatoes

Used for preserves, pickles, and to make "tomato figs"

HUSK TOMATO. Makes fine preserves. This useful fruit, which is also called Strawberry and Ground Cherry Tomato, is greatly valued as a preserve, it also makes delicious pies either when ripe or dried with sugar. When ripe the fruits are half an inch in diameter and of very sweet and agreeable flavor. The vines cover the ground and yield enormously of the fruit, which is enclosed in a husk or fruit calyx. **Pkt., 5c; oz., 25c; postpaid.**

YELLOW CHERRY. Fruits are of a light lemon-yellow, about half an inch in diameter, bears early and freely until frost. **Pkt., 5c; oz., 25c; postpaid.**

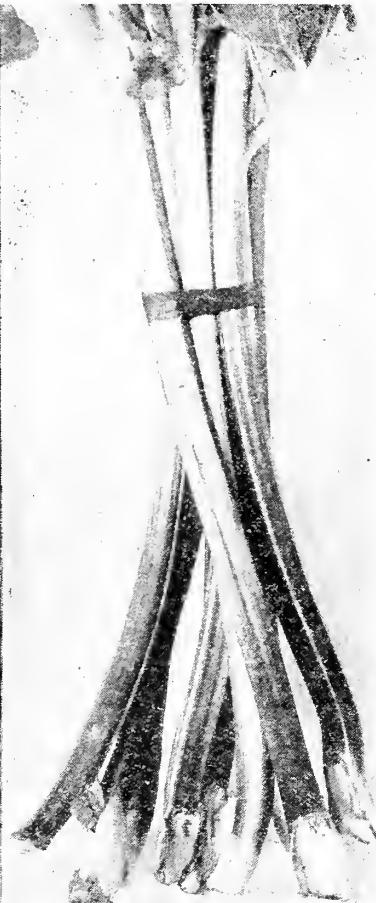
YELLOW PLUM. The fruits average 2 inches in length and 1 inch in diameter, of a bright lemon-yellow; fleshy, and of excellent flavor. **Pkt., 5c; oz., 25c; postpaid.**

RED CHERRY. About five-eighths of an inch in diameter, borne in clusters; light scarlet. **Pkt., 5c; oz., 25c; postpaid.**

YELLOW PEAR. A favorite with all who know them. Fruit is pear-shaped and of a deep yellow color. Highly valued as a table delicacy raw, also for preserving or to make "tomato figs;" fine pickled. **Pkt., 5c; oz., 25c; postpaid.**

RED PEAR-SHAPED. This is a leading favorite for preserves and also to make "tomato figs." The fruit is bright red, of true pear shape, and of rich distinct flavor. The larger plum-shaped tomato, often sold under the same name, is not equal to the true variety. **Pkt., 5c; oz., 25c; postpaid.**

PEACH. The fruits average 1½ inches in diameter. Skin is covered with a slight bloom of pubescence, as is a peach, and of beautiful pinkish coloring. **Pkt., 5c; oz., 25c; postpaid.**



LINNAEUS

Rhubarb or Pie Plant

One ounce to 500 plants

Rhubarb is an excellent spring food, possessing medicinal properties. It is the first vegetable of the season from the garden, and no planter should be without it.

The richer the ground is the better. Sow in drills an inch deep, and thin to six inches apart. In the fall transplant into very highly manured and deeply stirred soil, setting them four feet apart, and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed. In removing be careful to pull off close to the roots instead of cutting.

VICTORIA. Stalks very tall and large; skin thick and red-stained; pulp quite acid; very productive. **Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.**

LINNAEUS. A large and tender sort, sometimes called wine plant. **Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.**

RHUBARB ROOTS. Set in spring and they will be ready for use in the following season. **10c each; postpaid. 5c each, 50c per doz.; by express, not prepaid.**

LIBERAL AND PROMPT

Dixon Co., April 8, 1915.

Gentlemen:—

I received my order of seeds of you all O. K. and must say that you were very prompt, and in my opinion each package was pretty liberally filled.

Yours truly,

MRS. M. BEACOM.

GRISWOLD'S SEEDS ARE THE BEST

Barry Co., Mo., March 2, 1915.

Dear Sirs:—

The seeds which I buy from you are the best of seeds. I have used your seeds for the last seven years and I have always found them just as you say they are. I get many other catalogs but I always buy my seed of you.

Yours truly,

L. W. ABBOTT.

Turnips

1 oz. to 150 ft. of drill; 2 lbs. to acre. Ready from 40 to 60 days from seed.

The turnip is most easily affected in form and flavor, by soil, climate and mode of culture. Sow in drills about 16 inches apart and half an inch deep, or sow broadcast, but in either case be sure to have the ground rich and freshly dug. Sow for main crop from the middle of July to the last of August. In the field, turnips are generally sown broadcast, though much larger crops are obtained by drill culture.

The simplest method of keeping root crops in good condition for winter use—store in cool cellar in boxes, etc., and cover with dry sand or fine soil, thus excluding the air. They will keep as solid as when freshly dug, and are ready for use at any time.

EARLY WHITE FLAT DUTCH STRAP LEAVED. A most excellent garden turnip and, like Purple Top Strap Leaf, a standard flat variety, maturing at the same time. Root medium sized, from 4 to 5 inches in diameter and about 2 inches thick; color white; flesh sweet and tender, and very desirable for table use; a good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 45c; postpaid.



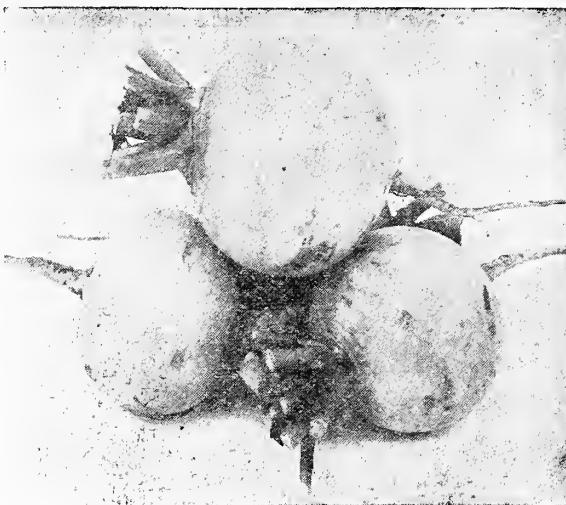
GOLDEN BALL

EXTRA EARLY PURPLE TOP MILAN. Two weeks earlier than any other. Flat; white, with purple top; flesh white, fine grained and delicate. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; postpaid.

WHITE EGG. An egg-shaped variety, for spring or fall sowing; flesh white, firm, fine grained, mild and sweet; particularly desirable for table. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c; postpaid.

COW-HORN. A white turnip of peculiar long shape and quick maturity. It grows to a large size, standing half out of the ground. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c; postpaid.

LARGE YELLOW. (Amber Globc.) Flesh yellow, fine grained and sweet; very hardy and productive; splendid keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 45c; postpaid.



EARLY WHITE SNOWBALL

POMERANIAN WHITE GLOBE. Very productive; in good soil roots grow from 10 to 12 pounds; good for table or stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c; postpaid.

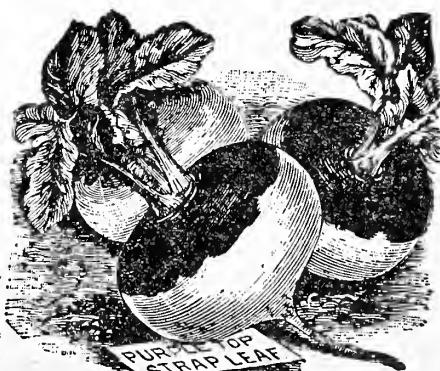
SNOW BALL or WHITE SIX WEEKS. Earliest and most perfectly formed round white turnip. Roots are very uniform in size and shape, short top and single tap root. Flesh snowy white, solid, crisp and very sweet. Is of quick growth and suitable for first early as well as later sowings. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c; postpaid.

EXTRA EARLY WHITE MILAN. The earliest of all turnips, and of excellent quality. Top is very small, upright and compact, so the rows can be planted close together. The roots are clear white, very smooth, flat and symmetrical. The flesh is white, sweet and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; postpaid.

EARLY PURPLE TOP GLOBE. Deservedly popular, heavy producer, of rapid growth, and superior quality; either for the table or stock. An excellent keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 45c; postpaid.

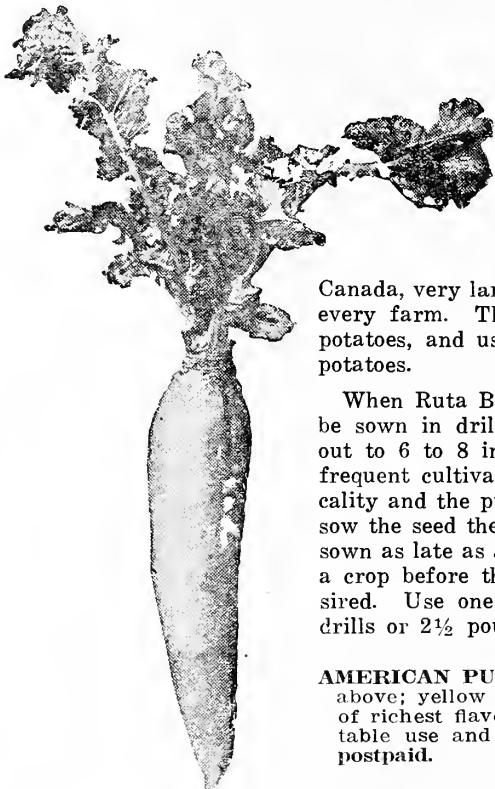
GOLDEN BALL. A most delicate and sweet, yellow-fleshed turnip of excellent flavor. Not of large size, but very firm, hard and keeps well. Fine table variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 45c; postpaid.

PURPLE TOP STRAP LEAF FLAT. The old, well-known sort for early spring and fall; purple above ground, flesh fine grained, of mild flavor and a good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 45c; postpaid.



Ruta Bagas or Swedes

Should be sown about a month earlier than turnips.



DANISH BORTFELDER

RUTA BAGA. (Bangholm.) Is oblong, globular shaped and very small neck. Yellow flesh and very dark, purple top. Superior to all other Ruta Bagas. The Danish Government has classed it as the best cropping Ruta Baga. There has been grown as high as 49 tons of roots with 5 tons of dry matter per acre, which speaks well for its productiveness. Pkt., 5c; oz., 10c; 1/4 lb., 20c; lb., 60c; postpaid.

DANISH BORTFELDER. The Bortfelder is a native of Scandinavia, and is considered the most productive of all turnips. It has a long, cream-colored root and delicate green top. It is a rapid grower, heavy cropper and excellent keeper. It must be sown in the spring for summer and in the middle of the summer for winter purposes. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., 70c; postpaid.

Tobacco

1 ounce will sow about 25 square feet and produce plants for 1 acre

CONNECTICUT SEED LEAF. An old, well-known variety. Pkt., 5c; oz., 20c; 1/4 lb., 60c; postpaid.

HAVANA. Best for the manufacture of cigars. Pkt., 5c; oz., 20c; 1/4 lb., 60c; postpaid.

TO MAKE A HOTBED SEE PAGE 20

This is one of the best and most valuable of root crops. Ruta Bagas do best on new land or light, sandy soil.

Ruta Bagas are grown for two purposes—for table use and for stock feed. There is a large demand for Ruta Bagas of good quality for household use and many carloads are sold on the large city markets. The supply is frequently insufficient to meet the demand.

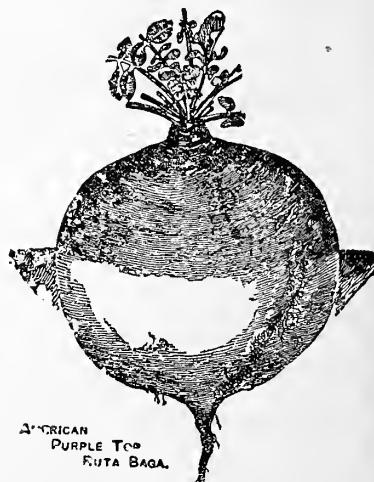
The value of Ruta Bagas as a stock feed is not fully appreciated in this country. In Europe and in eastern Canada, very large quantities of Ruta Bagas are produced on practically every farm. They may be very easily grown and more cheaply than potatoes, and usually are worth as much per bushel on the market as potatoes.

When Ruta Bagas are intended for a cultivated crop, the seed should be sown in drills 15 to 24 inches apart; cover seed $\frac{1}{2}$ inch and thin out to 6 to 8 inches in rows. The yield will be greatly increased by frequent cultivation. The time of sowing will depend somewhat on locality and the purpose for which the crop is to be used. If for market, sow the seed the latter part of June. If for stock feeding, seed may be sown as late as July 15th and it will, under favorable conditions, mature a crop before the ground freezes. Seed may be sown broadcast if desired. Use one ounce to 250 feet of drill, $1\frac{1}{2}$ pounds to the acre in drills or $2\frac{1}{2}$ pounds broadcast.

AMERICAN PURPLE TOP. Tops very small; bulbs large; skin purple above; yellow underneath; flesh golden yellow, fine texture, sweet and of richest flavor; hardy, productive, and a good keeper; desirable for table use and stock feeding. Pkt., 5c; oz., 10c; 1/4 lb., 15c; lb., 40c; postpaid.

SKIRVING'S PURPLE TOP YELLOW. Quite productive; flesh yellow and sweet flavor, shape oblong. Pkt., 5c; oz., 10c; 1/4 lb., 15c; lb., 40c; postpaid.

SWEET GERMAN. (Long White French.) Bulb enormous. Flesh white, solid and rich. The best keeper of all the Swedes, and popular for both table and stock. Pkt., 5c; oz., 10c; 1/4 lb., 15c; lb., 40c; postpaid.



AMERICAN
PURPLE TOP
RUTA BAGA.

Griswold's Home Garden Vegetable Collection No. 4

45 LARGE FIVE CENT PACKAGES FOR \$1.50; POSTPAID
JUST ENOUGH FOR YOUR GARDEN

It often happens that in looking through a catalog you cannot tell just what varieties and quantities of seed you need for your garden to furnish enough vegetables for a medium sized family throughout the season. This collection is made up of just the varieties you need.

BEANS

2 pkts. Wardwell's Kidney Wax.
2 pkts. Burpee's New Stringless.
2 pkts. Early Golden Cluster Wax.

BEETS

1 pkt. Early Model.

CABBAGE

1 pkt. Early Jersey Wakefield.
1 pkt. Premium Late Flat Dutch.

CARROTS

1 pkt. Ox Heart.

CAULIFLOWER

1 pkt. Early Snowball.

SWEET CORN

1 pkt. Golden Bantum.
1 pkt. Early Minnesota.
1 pkt. Stowell's Evergreen.

CUCUMBERS

1 pkt. Long Green.

ENDIVE

1 pkt. White Curled.

KOHL RABI

1 pkt. Early Purple.

LETTUCE

1 pkt. Simpson's Early Curled.
1 pkt. Early Prize Head.

PARSNIPS

1 pkt. Hollow Crown.

PARSLEY

1 pkt. Champion Moss Curled.

PEPPER

1 pkt. Sweet Mountain.

PUMPKIN

1 pkt. Small Yellow Sugar.

MUSTARD

1 pkt. White.

MUSKMELON

1 pkt. Rocky Ford.

WATERMELON

1 pkt. Tom Watson.

ONION

1 pkt. Large Red Weatherfield.

PEAS

2 pkts. Alaska.

2 pkts. American Wonder.

2 pkts. Nott's Excelsior.

RADISHES

1 pkt. Crimson Globe.

1 pkt. New Sparkler.

1 pkt. Icicle.

1 pkt. Long Scarlet.

SQUASH

1 pkt. Summer Crook Neck.

1 pkt. Chicago Warted Hubbard.

SPINACH

1 pkt. Bloomsdale.

SALSIFY

1 pkt. Mammoth Sandwich Island.

TOMATOES

1 pkt. Early Jewel.

1 pkt. Ponderosa.

TURNIPS

1 pkt. White Egg.

1 pkt. Purple Top Strap Leaf.

ABOVE LIST REGULARLY SELLS FOR \$2.25; YOU GET IT FOR \$1.50, POSTPAID

Griswold's Flower Garden

COLLECTION NO. 5

FIFTEEN LARGE 5-CENT PACKAGES FOR 50c; POSTPAID

It is difficult to select Flower Seeds which will give the best and most pleasing effects unless one is familiar with their habits of growth, etc. The collection we offer below is made up of the best and most popular varieties known.

1 pkt. Alyssum (Little Gem)	1 pkt. Cosmos.	1 pkt. Pansy.	1 pkt. Sweet Peas.
1 pkt. Asters, Giant Comet.	1 pkt. Four O'clock.	1 pkt. Petunia.	1 pkt. Verbenia.
1 pkt. Balsam (Lady Slipper).	1 pkt. Gaillardia.	1 pkt. Portulaca.	1 pkt. Zinnia.
1 pkt. Bachelor's Button.	1 pkt. Nasturtium	1 pkt. Salvia.	

NOTE—PLEASE ORDER COLLECTION BY NUMBER

Griswold's Choice Vegetable Plants

We grow these in large quantities and also contract with careful hot bed growers to guard against failures.

NOTE—WE CAN SUPPLY ONLY THE VARIETIES LISTED HERE

CABBAGE. Ready about April 25th. We can supply the following varieties: Early Jersey, Early Winningstadt, Early Flat Dutch, All Season, Sure Head, Late Flat Dutch, Large Late Drumhead.

CAULIFLOWER. Early Snowball.

CELERI White Plume, Golden Self Blanching, Giant Pascal.

CHIVES. Clumps of roots, 25c each; postpaid. \$1.50 per dozen; by express.

EGG PLANT. New York Purple.

PEPPER. Chinese Giant, Large Bell or Bull Nose, Ruby King, Long Red Cayenne.

SWEET POTATOES. Yellow Jersey, Red Jersey, Southern Queen.

TOMATOES. Dwarf Champion, Chalk's Early Jewel, Earliana, Ponderosa, Stone, Golden Queen, Yellow Pear.

JOHN BAER TOMATO PLANTS. 35c per dozen; 50 for \$1.00; postpaid.

FOR PRICES OF ABOVE PLANTS SEE PAGE 7

Market Gardener's Price List

PRICES LISTED ON PAGES 40 AND 41 ARE NOT PREPAID. THESE SEEDS MAY BE SENT BY PARCEL POST, EXPRESS OR FREIGHT. YOUR POSTMASTER WILL HELP YOU FIGURE THE POSTAGE, OR WRITE US AND WE WILL TELL YOU WHAT THE POSTAGE WILL BE TO YOUR POSTOFFICE.

ASPARAGUS

	oz. 2oz. $\frac{1}{4}$ lb. lb.	pt. qt. 2 qt. 4 qt. pk.
All varieties.....	\$.10 \$.15 \$.20 \$.50	
Asparagus Roots.....	10c per doz., 60c per 100	

BEANS

	pt. qt. 2 qt. 4 qt. pk.	pt. qt. 2 qt. 4 qt. pk.
All Dwarf Wax.....	\$.40 \$.65 \$.125 \$.25 \$.40	
Burpees Stringless.....	.40 .65 1.25 2.25 4.00	
Giant Stringless.....	.40 .65 1.25 2.25 4.00	
Red Kidney.....	.30 .55 1.00 1.80 3.25	
Tepary White Beans.....	.20 .35 .65 1.50 2.25	
All other Dwarf Green Pods.....	.35 .60 1.15 2.00 3.50	

POLE OR RUNNING

	15 .25 .45 .80 1.50	15 .25 .45 .80 1.50
Cut Short (Corn Hill).....		
Dutch Case Kulfie.....		
Early Golden Cluster Wax.....		
Lazy Wife.....		
Large Lima or Butter.....		
Old Homestead (Kentucky Wonder).....		
Red Kidney.....	.15 .25 .50 .85 1.65	.10 .20 .35 .70 1.25

BEETS

TABLE SORTS

	oz. $\frac{1}{4}$ lb. lb.	oz. 2oz. $\frac{1}{4}$ lb. lb.
Early Model.....		\$.10 \$.25 \$.90
All other Table Beets.....		.10 .20 .60

MANGEL WURZEL and SUGAR BEETS

	oz. $\frac{1}{4}$ lb. lb.	15b. 1b. 5lb. 10lb.
Corn Saver.....	\$.10 \$.15 \$.40 \$1.75 \$3.25	
Danish Sludstrup.....	.10 .20 .50 2.25 4.25	
Dark Red Giant Eckendorf.....	.10 .20 .50 2.25 4.25	
All other Mangels.....	.10 .15 .35 1.65 3.00	

BRUSSELS SPROUTS

	oz. 2oz. $\frac{1}{4}$ lb. lb.	oz. 2oz. $\frac{1}{4}$ lb. lb.
Improved Half Dwarf.....	\$.15 \$.25 \$.45 \$1.50	

CABBAGE

EXTRA EARLY SORTS

	oz. 2oz. $\frac{1}{4}$ lb. lb.	oz. 2oz. $\frac{1}{4}$ lb. lb.
Extra Early Express (Lightning).....	\$.20 \$.35 \$.50 \$1.50	
Earliest Etamps (Earliest of All).....	.20 .35 .50 1.40	
Early York.....	.20 .35 .45 1.25	
Early Jersey Wakefield.....	.20 .35 .50 1.75	
Early Winningstadt.....	.20 .35 .50 1.50	
Early Spring.....	.20 .35 .50 1.50	

SUMMER SORTS

	20 .35 .50 1.50	20 .35 .50 1.50
All Head Early.....		
All Seasons (Vandergraw).....		
Early Dwarf Flat Dutch.....		
Early Drumhead.....		
Early Summer.....		

FALL AND WINTER SORT

	25 .45 .70 2.00	25 .45 .80 2.50
Autumn King.....		
Hollander (Danish Ball Head).....		
Large Late Drumhead.....		
Lupton.....		
Premium Late Flat Dutch.....		
Red Duteb.....		
Surehead.....		
Copenhagen Market Cabbage.....		

CARROTS

TABLE SORTS

	oz. 2oz. $\frac{1}{4}$ lb. lb.	oz. 2oz. $\frac{1}{4}$ lb. lb.
Early French Forcing.....	\$.10 \$.15 \$.25 \$.70	
Scarlet Horn.....	.10 .15 .25 .70	
All other Table Sorts.....	.10 .15 .25 .60	

STOCK CARROTS

	10 .15 .45 2.00
All varieties.....	

CAULIFLOWER

	1/2 oz. oz.	1/2 oz. oz.
Danish Giant (dry weather).....	\$1.50	\$2.50
Early Snowball.....	1.25	2.00
Extra Early Erfurt.....	.75	1.25

CELERY

	oz. 2oz. $\frac{1}{4}$ lb. lb.	oz. 2oz. $\frac{1}{4}$ lb. lb.
Celeriac.....	\$.20 \$.35 \$.50 \$1.50	
Giant Golden Heart.....	.20 .35 .45 1.40	
Giant Pascal.....	.20 .35 .50 1.50	
Golden Self-Blanching.....	.25 .45 .90 3.00	
Snow White.....	.20 .35 .60 2.25	
White Plume.....	.20 .35 .50 1.60	

CORN SALAD

	oz. 2oz. $\frac{1}{4}$ lb. lb.	oz. 2oz. $\frac{1}{4}$ lb. lb.
Large Leaf.....	.10 .15 .25 .70	

CORN—SWEET

	pt. qt. 2 qt. 4 qt. pk. bu.	pt. qt. 2 qt. 4 qt. pk. bu.
Adam's Extra Early.....	\$.10 \$.15 \$.25 \$.35 \$.65 \$2.50	
Black Mexican.....	.10 .20 .35 .60 1.00 3.50	
Country Gentleman.....	.10 .20 .35 .60 1.00 3.50	
Crosby's Early.....	.10 .20 .35 .50 .90 3.00	
Early Champion.....	.10 .20 .35 .50 .90 3.00	
Early Cory.....	.10 .20 .35 .50 .95 3.25	
Early Evergreen.....	.10 .20 .35 .50 .95 3.25	
Early Minnesota.....	.10 .20 .35 .50 .90 3.00	
Extra Early Premo.....	.10 .20 .35 .55 .95 3.50	
Fodder.....		.70 2.00
Golden Bantam.....	.10 .20 .40 .65 1.15 4.00	
Howling Mob.....	.15 .30 .50 .75 1.25 5.00	
Mammoth Sugar.....	.10 .20 .35 .50 .90 3.00	
Mammoth White Cory.....	.10 .20 .35 .50 .95 3.25	
Peep O'Day.....	.10 .20 .40 .65 1.15 4.00	
Stowell's Evergreen.....	.10 .20 .35 .50 .90 3.00	

CHIVES

	Packet	10c
Extra Curled.....		\$.10 \$.15 \$.25 \$.60
Water.....		.30 .55 1.00 3.00

CUCUMBERS

	Boston Pickling (Green Prolific).....	\$.10 \$.15 \$.25 \$.70
Early Cluster.....	.10 .15 .25 .70	
Davis New Perfect.....	.10 .15 .30 .90	
Early Frame (Short Green).....	.10 .15 .25 .65	
Everbearing.....	.10 .15 .25 .75	
Improved Early White Spine.....	.10 .15 .25 .75	
Improved Jersey Pickling.....	.10 .15 .25 .75	
Improved Long Green.....	.10 .15 .25 .65	
Japanese Climbing.....	.10 .15 .25 .65	
New England Forcing.....	10 seeds 10c; 125 seeds \$1.00	

EGG PLANT

	Improved New York Purple.....	\$.30 \$.75 \$.95 \$3.35
--	-------------------------------	--------------------------

ENDIVE

	All varieties.....	\$.15 \$.20 \$.40 \$1.25
--	--------------------	--------------------------

HERBS

	Dill.....	\$.10 \$.15 \$.20
Lavender.....	.20 .35 .60	
Sage.....	.15 .25 .40	
Summer Savory.....	.15 .25 .40	
Sweet Marjoram.....	.20 .35 .60	
Tbyme.....	.50 .95 1.50	

KALE or BORECOLE

	All varieties.....	\$.10 \$.15 \$.25 \$.65
--	--------------------	-------------------------

KOHLRABI

	Early White Vienna.....	\$.20 \$.30 \$.50 \$1.65
White Vienna (Forcing).....	.25 .40 .75 2.00	

LEEK

	American Flag.....	\$.15 \$.20 \$.40 \$1.00
--	--------------------	--------------------------

MINT

	Roots.....	10c each; 75c dozen
--	------------	---------------------

MUSKMELON

GREEN FLESHED

	Rocky Ford.....	\$.10 \$.15 \$.25 \$.50
Green Nutmeg.....	.10 .15 .25 .65	
Extra Early Hackensack.....	.10 .15 .25 .65	
Long Island Beauty.....	.10 .15 .25 .75	
Hackensack (Turk's Cap).....	.10 .15 .25 .65	
Chicago Market.....	.10 .15 .25 .65	
Burrell Gem.....	.10 .15 .25 .75	

YELLOW FLESHED

	Hoodoo.....	.10 .20 .35 1.00
Grand.....	.10 .20 .35 1.00	
Osage (Miller's Cream).....	.10 .20 .30 .90	
Emerald Gem.....	.10 .20 .30 .90	
Long Yellow Cantaloupe.....	.10 .15 .25 .75	
Paul Rose (Potoskey).....	.10 .20 .30 .90	
Tip Top.....	.10 .20 .30 .90	
Vine Peach.....	.10 .20 .35 1.15	

Market Gardener's Price List—Continued

WATERMELON

	oz.	2oz.	1/4lb.	lb.
Alabama Sweet	\$10	\$15	\$25	\$65
Black Boulder	.10	.15	.20	.55
Halbert's Honey	.10	.15	.25	.65
Colorado Preserving Citron	.10	.15	.20	.55
Duke Jones (Jumbo)	.10	.15	.20	.55
Florida Favorite	.10	.15	.20	.55
Kleckley's Sweet (Monte Cristo)	.10	.15	.25	.65
Tom Watson	.10	.15	.25	.65
McIver's Wonderful Sugar	.10	.15	.20	.55
All other varieties	.10	.15	.20	.45

MUSHROOM SPAWN

Per brick (1 1/4 lbs.) 25c
2 for 45c; 6 bricks \$1.40; 12 for \$2.75, by express

MUSTARD

	oz.	2oz.	1/4lb.	lb.
Chinese	\$10	\$15	\$25	\$65
Mammotb Southern Curied	.10	.15	.25	.65
White	.10	.15	.20	.45

OKRA or GUMBO

	oz.	2oz.	1/4lb.	lb.
All varieties	\$10	\$15	\$25	\$60

ONION

	\$15	\$25	\$40	\$100
Australian Brown	\$15	\$25	\$40	\$100
Extra Early Red Flat	.15	.25	.40	.125
Globe Wethersfield, Red	.20	.35	.50	.175
Large Red Wethersfield	.20	.35	.50	.155
Mammotb Silver King	.15	.30	.50	.125
Prize-Taker	.15	.25	.40	.125
Red Bermuda	.15	.25	.40	.135
Southport Red Globe	.20	.35	.50	.155
Southport White Globe	.20	.35	.75	.250
Southport Yellow Globe	.15	.25	.40	.100
Yellow Globe Danvers	.15	.25	.40	.115
White Portugal (Silver Skin)	.20	.30	.50	.175
White Queen (Bartletta)	.15	.25	.40	.125
White Bermuda	.15	.25	.40	.135

Deduct 10c per lb. in 5-lb. lots.

ONION SETS

	pt.	qt.	4qt.	pk.	bu.
Red Bottom (bu. 32 lbs.)	\$10	\$15	\$50	\$1.00	\$3.50
Yellow Bottom (bu. 32 lbs.)	.10	.15	.50	1.00	3.50
White Bottom (bn. 32 lbs.)	.10	.20	.75	1.25	4.00
Winter Top	.05	.10	.35	.75	2.00

Price of all Onion Sets by bushel are subject to market fluctuations. Prices by quart good throughout season, or as long as our supply lasts.

PARSLEY

	oz.	2oz.	1/4lb.	lb.
All varieties	\$15	\$25	\$35	\$90

PARSNIPS

	pt.	qt.	4qt.	pk.	bu.
All varieties	\$05	\$10	\$15	\$45	

PEANUTS

	15c	lb.	2 lbs. for 25c
--	-----	-----	----------------

	pt.	qt.	2qt.	4qt.	pk.	bu.
Alaska	\$15	\$25	\$50	\$90	\$1.75	\$6.00
First and Best	.15	.25	.50	.90	1.75	6.00
McLean's Little Gem	.15	.30	.55	1.00	1.90	7.00
Premium Gem	.15	.30	.55	1.00	1.90	7.00
Canada Field	.10	.15	.25	.50	.90	3.00
Champion of England	.15	.30	.55	.90	1.75	6.00
White Marrowfat	.10	.20	.40	.75	1.40	5.00
All other varieties	.15	.30	.55	1.00	2.00	7.50

Write for prices in larger lots.

PEPPERS

	oz.	2oz.	1/4lb.	lb.
Chinese Giant	\$30	\$50	\$90	\$3.00
All other varieties	.25	.35	.65	

POTATOES

	pk.	bu.	lots
Acme	\$60	\$1.75	\$1.65
Carmen No. 3	40	1.50	1.40
Early Six Weeks	.60	1.75	1.65
Irish Cobbler	.40	1.50	1.40
Red River Early Ohio	.60	1.75	1.65
Red Triumph	.40	1.50	1.40
Rural New York	.40	1.50	1.40

Potato prices subject to change.

PUMPKIN

	oz.	2oz.	1/4lb.	lb.
Connecticut Field	\$10	\$15	\$20	\$40
Cusbaw (Crookneck)	.10	.15	.25	.50
Japanese Pie	.10	.15	.25	.55
King of the Mammoths (Jumbo Potiron)	.10	.20	.30	.80
Large Sweet Cheese	.10	.15	.20	.50
Small Sugar	.10	.15	.20	.50
Sweet Potato	.10	.15	.25	.65

If interested in larger quantities than listed here quote special prices.

RADISH

	oz.	2oz.	1/4lb.	lb.
Giant Crimson Globe	\$10	\$15	\$25	\$60
New Sparkler	.15	.25	.35	.90
Chines Rose (Scarlet Cbina)	.10	.15	.20	.55
California Mammoth White	.10	.15	.20	.55
Round Black Spanish	.10	.15	.20	.58
Long Black Spanish	.10	.15	.20	.58
Sakurajima	.15	.20	.35	1.00
All other varieties	.10	.15	.20	.45

RHUBARB or PIE PLANT

	oz.	2oz.	1/4lb.	lb.
Victoria			\$15	\$25
Linnaeus			.15	.25

Rhubarb Roots 5c each; 50c per dozen

SALSIFY or VEGETABLE OYSTER

	oz.	2oz.	1/4lb.	lb.
Mammoth Sandwich Island	\$10	\$15	\$25	\$75

SPINACH

	oz.	2oz.	1/4lb.	lb.
Bloomsdale (Savoy Leaved)			\$05	\$10
Improved Thick Leaved (Long Standing)	.05	.10	.15	.40

New Zealand 5c per lb. less in 3 lb. lots.

Prickly (Fall) 05 .10 .15 .40

SQUASH

	oz.	2oz.	1/4lb.	lb.
Boston Marrow (Autumnal)	\$10	\$15	\$20	\$50
Fordhook	.10	.15	.30	.75
Golden Hubbard	.10	.15	.30	.70
Hubbard, Chicago Warted	.10	.15	.25	.65
Mammoth Chili	.10	.20	.30	.80
Marblehead	.10	.15	.25	.65
Orange Marrow	.10	.15	.20	.50
Perfect Gem	.10	.15	.30	.70
Pike's Peak (Sibley)	.10	.15	.25	.65
Winter Crookneck	.10	.15	.25	.65
All other varieties	.10	.15	.20	.50

SWEET POTATOES

	oz.	2oz.	1/4lb.	lb.
Potatoes ready April 1st. Plants ready about May 1st. (Write for prices on potatoes.)				

Yellow Jersey Plants, 35c per 100

Yellow Nansemond Plants, 35c per 100

500 plants for \$1.50

TOBACCO

	oz.	2oz.	1/4lb.	lb.
Acme	\$20	\$30	\$65	\$1.75
Beauty	.20	.30	.60	.175
Chalk's Early Jewel	.25	.45	.75	2.00
Crimson Cushion	.25	.45	.75	2.00
Dwarf Stone Livingston's	.25	.35	.65	2.00
Dwarf Champion (Tree)	.25	.35	.75	2.00
Earliana	.25	.45	.75	2.00
Enormous	.25	.46	.80	2.75
Favorite	.20	.30	.60	1.75
Golden Queen	.25	.35	.75	2.25
June Pink	.25	.45	.80	2.75
Livingston's New Globe	.25	.40	.75	2.00
Livingston's Hummer	.30	.50	.95	3.00
Livingston's Coreless	.35	.60	1.00	3.75
Ponderosa	.25	.45	.80	2.75
Quarter Century	.25	.45	.75	2.00
Stone	.20	.30	.65	1.75
Trophy	.20	.30	.60	1.75

John Baer Tomato 1/2 oz., \$1.00; oz., \$1.75; 1/4 lb., \$4.90

ALL SMALL TOMATOES

	oz.	2oz.	1/4lb.	lb.
25c				

TURNIP

	oz.	2oz.	1/4lb.	lb.
Danish Bortfeider	\$10	\$15	\$25	\$60
Extra Early Purple Top Milan	.10	.15	.20	.50
Extra Early White Milan	.10	.15	.20	.50
Extra Purple Top Globe	.10	.15	.20	.45
Early White Flat Dutch	.10	.15	.20	.45
Early White Snowball (Six Weeks)	.10	.15	.20	.45
Golden Ball (Orange Jelly)	.10	.15	.20	.45
Large Yellow (Amber Globe)	.10	.15	.20	.45
Purple Top Strap Leaf Flat	.10	.15	.20	.45
Long White Cow Horn	.10	.15	.20	.50
Pomeranian White Globe	.10	.15	.20	.50
White Egg	.10	.15	.20	.50

RUTA BAGA

	oz.	2oz.	1/4lb.	lb.
American Purple Top	\$05	\$10	\$15	\$40
Ruta Baga (Bangholm)	.10	.15	.25	.60
Skirving's Purple Top Yellow	.05	.10	.15	.40
Sweet German (Long White French)	.05	.10	.15	.40
Swiss Chard	.15	.25	.35	.80

or an extended list of seeds we would be glad to



SEED POTATOES

FOR SPRAYERS AND INSECTICIDES
See Pages 114-118.

8 to 12 bushels required to the acre.
One peck will plant about 100 hills.

Potatoes have proven a most profitable crop for several years. Market prices have ranged from 75 cents to \$1.50 per bushel for ordinary eating stock during winter and spring and at such prices there is no field crop will yield better returns for the land and labor used in the growing. This year seed potatoes are very scarce and high priced, however, we have a very choice lot of Northern grown seed, and we believe we shall be able to meet all demands with choice stock that has been carefully sorted and stored under conditions that does not weaken the germ.

With no other seed is the importance of change more essential than with potatoes, and by using our Northern grown seed you are assured of early maturity, increased yield and vigorous growth. The following varieties are, we think, the best and most satisfactory sorts for growing in Nebraska and other states of the same latitude. Most of our seed potatoes are grown in Minnesota or the Dakotas and are of superior quality. Order early as possible and we will ship as soon as weather permits. Prices are subject to important market changes, and we will advise you upon receipt of order if prices have advanced or declined.

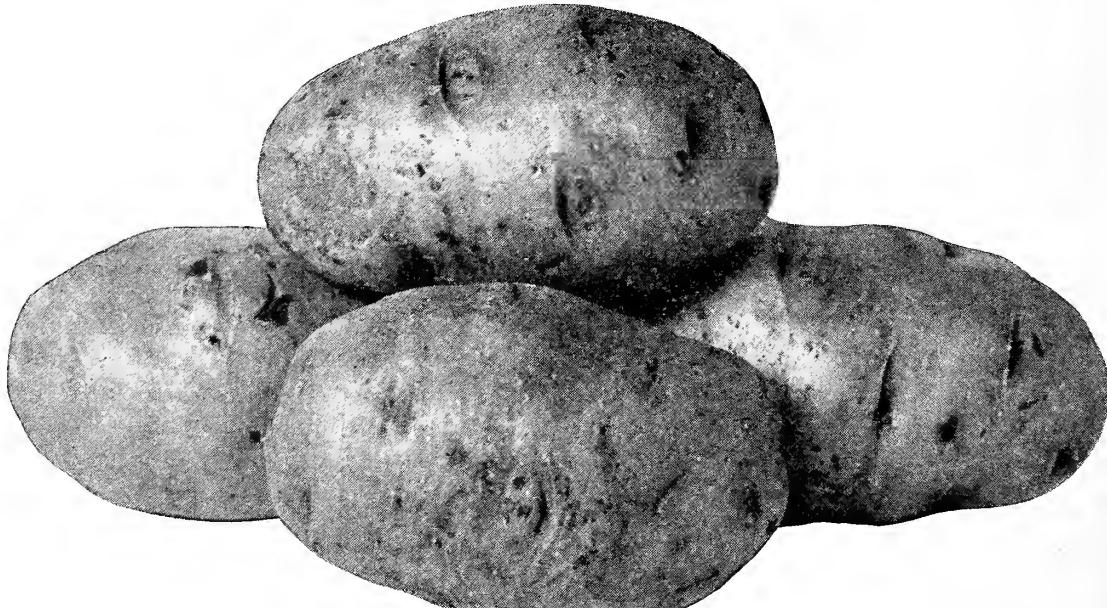
Main Crop Potatoes

RURAL NEW YORK. It is very large, unusually smooth, with few and shallow eyes; form slightly oblong, and rather flattened. Skin and flesh white, quality excellent, season intermediate. Tubers of great uniformity in size, almost every one marketable. It holds a leading place as a standard field cropper. Peck, 40c bu., \$1.50; barrel (net 165 lbs.), \$3.75.

EARLY SIX WEEKS. Another potato of the Ohio type in great demand. Not the heaviest yielder, but good sized, smooth, round to oblong, tubers

in eating condition before the well-known Early Ohio. Peck, 60c; bu., \$1.75; barrel (net 165 lbs.), \$4.25.

CARMAN NO. 3. This potato is of large and uniform size, yielding immense crops. It is of perfect form. It has but a few eyes, and they are shallow; the skin and flesh are extremely white and its cooking qualities are very fine. It is a remarkably handsome potato, enormously prolific. Peck, 40c; bu., \$1.50; barrel (net 165 lbs.), \$3.75.



EARLY SIX WEEKS

PRICES ON ALL POTATOES SUBJECT TO CHANGE

Extra Early Potatoes



HYBRIDIZED POTATO SEED

FROM THE SEED-BALLS—HEADQUARTERS STOCK.

Millions never saw a Potato Seed Ball. Thousands have tried in vain to get the seed. Now is your opportunity. This unrivaled seed will produce an endless variety of new kinds. Your fortune may be in one of them. They are as easy to grow as tomatoes.

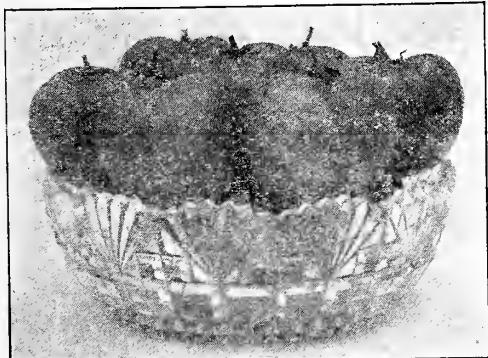


PHOTO OF POTATO SEED BALLS—ONE-HALF NATURAL SIZE.

 It is from these that **ALL** valuable new varieties of Potatoes are produced.

Growing new and distinct Seedling Potatoes from the Seed-Ball Seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes, and qualities. The product will astonish you. Some may be of immense value and bring you a golden harvest. Every farmer, gardener, and bright boy should plant a few packets. You may be one of the lucky ones. Full directions on every packet.

READ THESE EXTRACTS FROM CUSTOMERS LETTERS.

"I grew 101 Potatoes from one plant of your Potato Seed. Every plant was a different variety." Mrs. Ellen Keener.

"I raised 50 Hills from one Packet; many kinds and colors; some early, some late. 94 Potatoes in one hill." J. H. Skinner.

"Your remarkable Potato Seed produced white, pink, red, purple, blue, cream, russet, and black potatoes." W. M. Johnson.

"Your Potato Seed is a wonder. I grew 115 different varieties from one Packet—the finest I ever saw." C. E. Flint.

"I grew 45 pounds of Seedling Potatoes from one Packet. I expect wonders from them next year." Thomas Lucas.

Packet 15 cts. 2 for 25c. 5 for 50c. 10 for \$1.

RED RIVER EARLY OHIO.

This is the most popular early potato in this country. We have more calls for it than any other early variety. Every potato grower knows what it is, and knows just what it will do in his locality. It is the standard extra early the world over, and other varieties are measured by it. We have an extra choice strain of Early Ohio. Our Red River Valley stock, grown in North Dakota last fall, is the earliest, purest, and altogether the handsomest stock of Early Ohio potatoes to be found anywhere, and as fine as one cares to see. The tubers are smooth and regular in shape, free from prongs, perfectly pure and full of vigorous life. They

are selected with the utmost care, and the result is grand, such as to delight everyone who knows and appreciates a good potato. Price, peck, 60c; bu., \$1.75; barrel (net 165 lbs.), \$4.25; 25c bu. lots or over at \$1.65 per bushel, sacked. Prices subject to change. Ask for prices when you are ready to order.

ACME. The most profitable early potato in cultivation. Fit to eat in six weeks and crop matured in ten weeks from planting. Prolific yielder; tubers are oblong, smooth; skin flesh color; flesh white; upright strong vines with tubers growing compactly in the hill. Eyes shallow, quality excellent, mealy and of fine flavor. Keeps well. Peck, 60c; bu. \$1.75; barrel (net 165 lbs.), \$4.25.

RED TRIUMPH. Earlier than any other desirable for the first "new potatoes." Tubers nearly round, medium in size, reddish pink in color. Peck, 40c; bu., \$1.50; barrel (net 165 lbs.), \$3.75.

IRISH COBBLER. It is an excellent extra early variety, maturing good sized tubers seven weeks from time of planting; producing very few, if any small potatoes; all tubers being of marketable size. Makes a short, upright growth so the hills may be only a short distance apart. The flesh is pure white, with clean, smooth skin. Splendid keeper, excellent quality, always cooking dry and mealy. Especially suited to dry climates on account of its deep roots. Peck, 40c; bu., \$1.50; barrel (net 165 lbs.), \$3.75.

SATISFACTORY FOR EIGHT YEARS

Macon Co., Ill., March 6, 1915.

Dear Sirs:—

I received my seed in due time. I have used your seed for about eight years I think, I know it has been a long time, and they have always given satisfaction. I think they are cheaper than other places and more in a packet.

Yours truly,
MRS. J. B. HOPKINS.

PRICES ON ALL POTATOES SUBJECT TO CHANGE

CORN SAVER BEET



Fattens Hogs for One-tenth the Price of Corn

A BIG MONEY MAKER! KEEPS HOGS HEALTHY!

A MONEY MAKER. Some few years ago, we, like other farmers, began wondering how we could fatten hogs without feeding so much high priced corn. After considerable experimenting along the line of feeding alfalfa hay, beets, etc., we finally decided sugar beets the better thing, for sugar is always fattening. That year we secured from Germany a new sugar beet that was extra rich in sugar considering its size and other qualities. We tried it out thoroughly and it proved to be all we could desire. We decided to name it CORN SAVER BEET. We have sold this beet all over the United States and the people are writing us in glowing terms how much they like it and how valuable they have found it for feeding not only hogs, but also milk-cows, cattle and calves. The farmer should grow beets to feed his hogs. Here are a few figures furnished us on hog raising:

By feeding beets exclusively one man made his hogs gain fifty pounds each in one month. He fed 900 pounds of beets per head. At the price of hogs at that time, \$9.50 per 100 lbs., the beets would bring him \$10.55 per ton. Even at the usual fall price of hogs, \$7.00 per 100 lbs., beets fed to hogs would be worth \$7.80 per ton. Another party bought three tons of sugar beets for \$12.45; he fattened eight hogs, which, for a little over two months' feeding, gave him a profit of \$43.00. In this instance the beets were cooked before being fed to the hogs. In both of these cases beets only were used, while by adding a small amount of grain these profits may still be increased.

HOW TO FEED. We began feeding our hogs 1-3 corn, 1-3 alfalfa and 1-3 of the new CORN SAVER BEET. The amount of alfalfa hay and corn can be reduced from time to time until you will not have to average more than one small ear of corn to each hog, with very little alfalfa hay and the balance CORN SAVER BEET. Give them all they can eat and the hogs will get rolling fat and healthy. Our experience proves we have struck something that will make the profit on hog raising several times greater than heretofore, and believe will entirely do away with hog cholera.

YIELD. Our largest yield was close to 60 tons per acre. The beets grow very large, frequently weigh 28 lbs. They grow about half out of the ground and are thus very easily harvested. They are two or three times as large as the regular factory sugar beet and are much better for stock. Perfectly hardy. Will grow anywhere other beets will.

AMOUNT TO SOW. It is an easy matter to raise these CORN SAVER BEETS. Simply sow on deep plowed soil, 10 lbs. to the acre, from April to June, in rows 18 inches to 2 feet apart. Thin plants to 8 inches in row—transplant young plants to fill vacancies. Cultivate thoroughly with a five-tooth cultivator or an ordinary one-row corn cultivator and you will have one of the largest money making crops you ever raised. Beet hulls are thick. If it is dry soak seed 24 hours in water before planting.

Price, pkt., 5c; oz., 10c; $\frac{1}{2}$ lb., 30c; lb., 50c; postpaid. By freight, 1 lb., 40c; 5 lbs., \$1.75.; 10 lbs. (enough for 1 acre), \$3.25.

New Mangels For Feeding Stock

MANGEL. (Danish Sludstrup.) Long, reddish-yellow; grows well above the ground and easy to pull. The mangel is very large, frequently weighing from 15 to 20 lbs. each. It has repeatedly been awarded a first class certificate by Danish Government, and is doubtless the best mangel in the world. No other crop can match it. Price, oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c; postpaid. By freight, 5 lbs., \$2.25; 10 lbs., \$4.00.

DARK RED GIANT ECKENDORF. Is of cylindrical form and grows mostly above the surface and, like the Sludstrup, is very easy to pull. It has been awarded first-class certificate by the Danish Government for its merit as a very heavy cropper, a farmer there having grown 58 tons on one acre. Price, oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c; postpaid. By freight, 5 lbs., \$2.25; 10 lbs., \$4.00.



MANGEL, DANISH RED GIANT ECKENDORF

Mangel Wurzel and Sugar Beets

140 to 150 days required from sowing to maturity

One ounce will sow 100 ft. drill, 6 pounds per acre

For Stock Feeding

When the fact is considered that 50 tons of Mangel Wurzel may be grown on a single acre, at a small outlay, the wonder is that every farmer does not profit by it. Mangels grow to a larger size and will produce a greater bulk of roots per acre than sugar beets, but the latter are richer in quality and of superior feeding value.

As all mangels require a deep soil in order to grow well, plow and subsoil at least a foot to eighteen inches and apply plenty of rich stable manure. Sow in April to June, in rows eighteen inches to two feet apart, and thin to eight inches in the rows. Young plants may be transplanted to fill up vacancies. As soon as frost occurs dig the crop.

GIANT HALF SUGAR MANGEL.

The roots of this new mangel are more valuable, pound for pound, than those of the best strain of sugar beet, supplying food of very much higher nutritive value and not only are they of better quality but they yield more than twice as much. The roots grow partly out of the ground, which renders the harvesting of the crop very easy. Every progressive farmer should try this new food.

GOLDEN TANKARD.

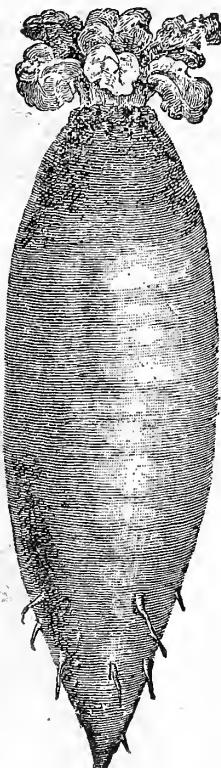
A superior strain of golden fleshed mangel; root half long and very large. It is particularly rich in milk-producing qualities. It is very easily pulled; exceedingly hardy.



MAMMOTH LONG
RED MANGEL WURZEL

PRICES ON ALL ABOVE MANGELS AND SUGAR BEETS

Ounce, 10c; $\frac{1}{4}$ lb., 15c; 1 lb., 45c; postpaid.
By freight, 5 lbs., \$1.60; 10 lbs., \$3.00.



LANE'S IMPERIAL SUGAR

LANE'S IMPERIAL SUGAR. This beet grows to a large size, will yield almost as much in bulk as the best mangels, and contains a large percentage of sugar. The roots are smooth, broad at the shoulder and gradually taper to the base. They grow with a considerable portion above the soil, and are easily harvested. Gray top, whitish-green skin, with crisp, snow-white flesh.

RIVENHALL GIANT YELLOW GLOBE. This is the cleanest growing, heaviest cropping and longest keeping globe variety in cultivation. Notwithstanding its great size, it produces only a small top with a single tap root.

MAMMOTH LONG RED. (Dignity.) This is truly a mammoth, a single root often weighing 30 pounds. It is regular in shape, with a small top.

Enormously productive, smooth and regular in shape, with a small top. They grow half above ground, and are easily harvested.

KLEIN'S WANZLEBEN SUGAR BEET. This is considered the most desirable variety for sugar. It is also desirable for feeding to stock. The roots, while rather shorter than some varieties, are thicker in diameter, and yield an immense crop on rich land. The largest diameter is at, or just below, the surface of the soil, then tapering rather quickly.



Alfalfa

Alfalfa is comparatively a new plant in America, but is as old as the hills in many parts of the world. It was first introduced into this country by the Spaniards to California about 1855. At first it was slow in becoming disseminated among the farmers and ranchmen, but step by step it has made its way eastward until now it has become extended all over the Pacific states and east to the Mississippi, in fact, it has been successfully tried in about every state in the Union and "has made good everywhere" until now it can positively be asserted that Alfalfa can be successfully grown everywhere that Red Clover will grow and in many places where it cannot be grown at all.

Alfalfa is a perennial plant of upright growth, growing sometimes 3 feet high. The nature of the leaves is somewhat like clover, although not as large. The flowers are a purplish blue and appear in sprays. The seeds are small, yellowish green, kidney shaped of about the size of a pin head.

SUITABLE SOIL. Alfalfa makes a strong and rapid growth on well drained, rather heavy land, which is supplied with some lime, and where the subsoil, while not necessarily sand or gravel, is porous. On sandy soil the growth is vigorous, when moisture is abundant, but during drought it will suffer unless the roots reach water at a depth of 8 to 10 feet. The land should slope some, as alfalfa will not stand surface water.

SEED BED. The land must be free from weeds and the ground must be thoroughly pulverized and well packed. Alfalfa will frequently fail if seeded on freshly plowed ground. If it is necessary to plow the ground before seeding, do it early, harrowing thoroughly and sow after a good rain has settled it.

SPRING SEEDING. Sow seed broadcast or
Ask for **Alfalfa Booklet free.**

OUR GOVERNMENT TESTED SEED

We are very particular with all our alfalfa seed and take no chances. We have every car of it tested by the U. S. Department of Agriculture. We will not sell alfalfa seed unless it is free from Trefoil, Sweet Clover, and Dodder. Seed is too high for you to take any chances. Buy our Fancy Seed from us and have it tested. We take it back if it doesn't test right. Buy it early for the price will be higher.

PRICES

Fancy Seed, per lb., postpaid, 40c. By freight, at your expense, 10 lbs., \$3.00; 20 lbs., \$5.00; per bu. (60 lbs.), \$13.50.

Turkestan Seed, per lb., postpaid, 40c. By freight, at your expense, 10 lbs., \$3.00; 20 lbs., \$5.00; per bu. (60 lbs.), \$13.50.

When you are ready to buy ask us for prices and give the amount of seed you will need.

PRICES ON ALL GRASS AND FIELD SEEDS SUBJECT TO MARKET CHANGES

with drill from March to June 15, at the rate of 20 pounds to the acre.

FALL SEEDING. Disk oat and wheat land as soon as the crop is cut, and then harrow or disk every 10 days until a suitable time for sowing before the 15th day of September when you can sow as above. Cut for hay the next fall. This is the best time to sow for all except Northern states, if you are sure of getting fall rains soon enough.

TURKESTAN. This is the same variety as the common alfalfa, but has been grown for years in the mountains of Turkestan, Asia, in a region where there is very small rainfall and with hot, dry summers, and dry, cold winters. A plant developed under such conditions could not be otherwise than hardy and strongly drouth-resistant, and such has proved to be the case.

Tells all about **Alfalfa.**

FARMOGERM

Is a pure culture, or growth of nitrogen-fixing bacteria that have been selected and bred up to transform large amounts of nitrogen from the air into soluble nitrates.

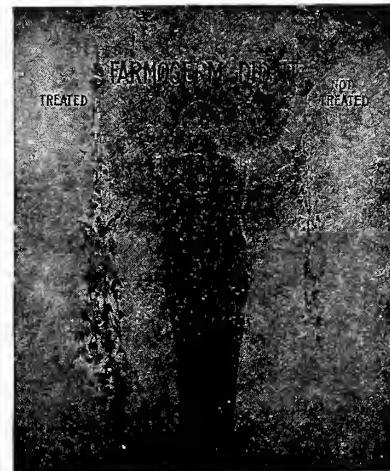
These bacteria are grown in a jelly, or food, in which they remain active for long periods of time, and sent out in a bottle which admits the necessary supply of pure air, yet keeps out destructive contaminations. If alfalfa can be grown on the hot, sandy land of South New Jersey, why can't you grow it?

Increased Crops

are a well established certainty in all instances where inoculations are used together with proper culture methods. Not only is the crop increased in weight, but in its richness. The U. S. Department of Agriculture, Bulletin No. 71, substantiates these statements. Why not increase your farm yields without extra labor and at practically no extra cost?

ALFALFA, RED ALSIKE AND CRIMSON CLOVER, SOJA BEANS, VETCH, PEAS, BEANS, SWEET PEAS

Yield earlier, longer and better when treated with Farmogerm. Farmogerm is endorsed by farmers, Federal and State Agricultural Departments and private estates. It is delivered to you in bottles ready for use—you can inoculate the seed for ten acres in ten minutes.



Extra Farm Size.....	100 Acres	\$135.00 postpaid	Trial Farm Size.....	1 Acre	\$2.00 postpaid
Farm Size.....	50 Acres	75.00 postpaid	Garden Size.....	¼ Acre	.50 postpaid
Small Farm Size.....	5 Acres	9.00 postpaid	Half Garden Size.....		.25 postpaid

Humogerm

WILL MAKE YOU MONEY

Nitrogen Bacteria will increase the growth of peas, beans, clovers, alfalfa, vetches, and other legumes and will leave in the soil from eight hundred to one thousand pounds of nitrates for future crops of any kind. These fertilizing bacteria are the cheapest means of maintaining the soil in a highly productive condition and the results are so well known and established that there is no excuse for a farmer using expensive nitrate fertilizers when he can obtain all the nitrogen for less than \$1.00 per acre. This is a simple and practical form of inoculation and is guaranteed perfect in every manner.

DIRECTIONS FOR SEED INOCULATION

Pour the contents of the can onto the seed and keep adding a little water and stirring the seeds very thoroughly until they are all slightly moistened, then dry them by spreading evenly on a clean floor. Plant the seeds immediately after they are dry enough to handle. Some prefer to inoculate the soil, so we also give

DIRECTIONS FOR SOIL INOCULATION

Take about three hundred pounds of loamy or sandy soil, spread on hard ground or on a clean floor to a depth of several inches and sprinkle evenly over it the Nitrogen Bacteria, then mix thoroughly for a few minutes and spread the soil evenly over the field and harrow it soon.

CAUTION

Keep can in a cool place. Use only for crop named on label at time of sowing. Keep seed and can away from direct sunlight.

Made up in the following mixtures or composite cultures:

- No. 1—good for Red, White, Crimson, Alsike and Mammoth Clover.
- No. 2—good for Alfalfa, Burr Clover and Bokhara.
- No. 3—good for Vetches and Peas.
- No. 4—good for Cow Peas and Soy Beans.
- No. 5—good for Peas, Beans and Sweet Peas.

or for any of these crops in separate cultures.

Be sure to mention crop when ordering.

Humogered Peas, Beans, Cow Peas, Vetch, Soy Beans, Clover, Alfalfa, Canada Field Peas, Peanuts, Sweet Peas and all Legumes yield more abundantly, mature more rapidly, are richer in feeding value and at the same time are taking vast quantities of nitrogen from the air and storing it in the soil for future crops.

SIMPLE TO APPLY

1 Acre Cans \$1.00; 5 Acre Cans \$4.50; postpaid.

INEXPENSIVE TO BUY



CLOVERS

60 lbs. to Bushel. Sow 20 lbs. to Acre.

Our Clover Seeds are of the Highest Grade and Thoroughly Cleaned and Tested

Every farmer should have some land sowed in clover. It is of the greatest value for plowing under for supplying humus and nitrogen.

SWEET CLOVER. This valuable forage plant, though once branded as a weed, is proving to be most valuable for our Western semi-arid regions. After two years the plant dies and the large roots decay, filling the soil with humus and vegetable fiber. This, in time, turns the sandy soil into a sandy loam, which also has a tendency to make the soil more stable and less liable to blow. Be sure you get the White Blossom, as it is much better than the Yellow. White blossom is the only kind we carry. This seed can be sown in the spring or in the fall at the rate of from 15 to 20 lbs. per acre. It makes a large growth the first year and blooms and makes seed the second year and then dies. Many farmers in western Nebraska are now sowing their ground to Sweet Clover and the second year after cutting the crop, just before seeding, will sow it to Alfalfa. In this way they hold the

soil from blowing and get their land seeded to Alfalfa. Many farmers claim that the forage from this plant is just as good as Alfalfa and just as readily eaten by the stock after they have become accustomed to it. If cut for hay, it should be cut when about two feet high and before the stem is woody. If cut just before the seed is matured, two years in succession, the plant dies out entirely. It will not grow in cultivated land nor will it become a nuisance. It is most valuable for bees. Price, Hulled Seed, per lb., 45c; postpaid. By freight, per lb., 35c; 5 lbs., \$1.60; 10 lbs., \$3.00; per bu., \$15.00 Unhulled Seed, per bu., \$9.00.

MEDIUM RED. (Common, or June Clover.) This is by far the most important of all the varieties for hay or pasture. Sow in Spring or Fall, and if no other grasses are used, at the rate of 8 to 12 pounds per acre. This clover is a biennial, and at best only lasts three years unless it is allowed to reseed itself, which should be done every two years. Price, Fancy, per lb., 40c; postpaid. By freight, per lb., 30c; per bu. (60 lbs.), \$13.50.

MAMMOTH RED. (Saplin, or Vine Clover.) Quite distinct from Common Red Clover. It lasts longer and is two or three weeks later than the Common Red Clover, grows from 3 to 5 feet high and yields an enormous amount to the acre, especially valuable for hog feed and for plowing under green on worn out lands. Sow 12 lbs. seed to acre. Price, per lb., 40c postpaid. By freight, per lb., 30c; per bu. (60 lbs.), \$13.50.

ALSIKE. (Swedish Clover.) One of the hardiest of all clovers. This clover is very nutritious, yields abundantly and can be cut several times during the season. It is good for pasture, green fodder or hay. The roots do not heave like those of Red Clover and for this reason it is especially adapted for wet, moist places. It does well on most any soil and resists the severest cold and extremes of drought and wet. We advise farmers to sow 2 or 3 pounds of this seed with their Red Clover and Timothy. If alone, sow 8 lbs. to the acre. Price, per lb., 40; postpaid. By freight, per lb., 30c; per bu. (30 lbs.), \$12.50.

WHITE DUTCH CLOVER. Best adapted to moist soils, but does well on any land. Sow 8 lbs. to acre. Price, per lb., 85c; postpaid. By freight, per lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.50.



PRICES ON ALL GRASS AND FIELD SEEDS SUBJECT TO MARKET CHANGES



Sow 30
lbs. to
Acre
60 lbs.
to bu.

Sand Vetch

Sand or Winter Vetch

Makes from 10 to 15 tons Green Fodder to acre. Grows anywhere.

In sections of the country where the soil is very sandy, and one extreme of temperature follows another, farmers have been looking for a forage crop which will furnish pasture for a longer period of time than the wild grass. In a number of places, Sand Vetch has been tried with good success.

The plant somewhat resembles a pea vine. The long, slender stems are thickly covered with leaves, which makes nice succulent feed.

TIME TO SOW. When sown in August or September, Sand Vetch will cover the ground before Winter and will remain green during the cold weather. Thus it will furnish green feed in the late Autumn after the grasses have all died, and in the early Spring before they have started. When there is no snow, Vetch can be pastured all winter.

FOR ORCHARDS. In Michigan Sand Vetch is being used very extensively as a cover and green manure crop for orchards. Being sown in the Fall, it prevents the snow from drifting and produces a large amount of organic matter for plowing under in the Spring, when orchard cultivation should begin.

RYE AND VETCH. If grown in the Spring with Rye or Oats as a support for the vines, Vetch will make from 10 to 15 tons of green fodder or 3 to 4 tons of cured hay per acre. Sand Vetch will thrive on soil so light and sandy that no other crop will live. The fibrous tap root reaches down to a depth of 2 or 3 feet and will get moisture. Fall sown Vetch keeps the soil from washing during the Winter and early Spring, and thus saves a great deal of the soluble mineral fertilizer which is in the soil. If plowed under it enriches the soil in the same way that Clover does, and is much cheaper than commercial fertilizer.

We believe Vetches will prove valuable for Western Nebraska and Eastern Colorado.

Price, per lb., 40c; postpaid. By freight, per lb., 30c; 30 lbs. (enough for 1 acre), \$8.00. Price subject to change.

Griswold's Ready Quick Hog Pasture Mixture

Good for One Season Only

The last two or three years, and especially the last year, we have had a big demand for a Hog Pasture Mixture that would not only produce a tonnage of green feed but one that would come on quick and be ready in a hurry.

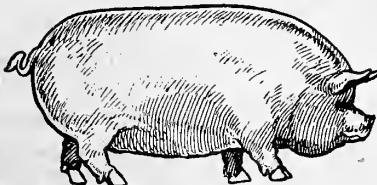
To fill this demand we have made our "Ready Quick" Hog Pasture Mixture. It is especially good for hogs but equally desirable for cattle, sheep, calves and cows. It contains 14 different grains and forage plant seeds, practically all of which grow again if fed down.

Griswold's "Ready Quick" Hog Pasture Mixture can be sown early and be ready to pasture in 6 or 8 weeks and should be in the finest kind of condition in July or August, just when your other pastures are dried up. It can also be sown in July or August and used as a Fall pasture.

This Mixture should easily produce 15 tons of green fodder per acre during the season, and to have this come just at a time when you have nothing else to feed your stock will be highly appreciated.

We recommend sowing 50 lbs. to the acre, and if your ground is very rich and strong we would say sow 75 to 100 lbs. and by all means keep it fed down, as the stock eat it better when it is young and tender. Be sure and give this valuable Mixture at least a small trial, as you cannot possibly make any mistake by sowing it.

Price, 50 lbs. (for 1 acre), \$2.25; 100 lbs., \$4.00; 500 lb. lots or over, \$3.85 per 100 lbs. In less than 50 lb. lots, 5c per lb., or 15c per lb.; postpaid.



15 Tons Green Feed per Acre

PRICES ON ALL GRASS AND FIELD SEEDS SUBJECT TO MARKET CHANGES



RAPE

Sow
Five
Pounds
to
the
Acre

Dwarf Essex

Produces feed in from six to ten weeks from sowing. Grows two to four feet high. Produces from 25 to 30 tons of green fodder to the acre.

When one considers that Rape will produce good, succulent feed in from six to ten weeks from sowing, he can in a measure realize its value. Rape looks much like ruta baga tops, growing from two to four feet high, has broad, rich, juicy leaves which are liked very much by cattle, sheep and hogs, and continues to grow after continually eaten off. It is estimated that the feeding qualities of Rape are probably twice as great as those of Clover.

Rape can be planted early for feed; can be sown in oats and fed after the oats are cut; can be sown in corn in the last plowing. This is a good plan when the corn is to be cut green for feed, as it will leave the Rape ready for pasturing after the corn is taken off. Rape is an annual, and will not become a weed or a nuisance, as it does not live through the winter. We do not recommend it for cows, as it may taint the milk. Stock fed on Rape must have plenty of salt.

FOR CHICKENS. Rape makes the best green food for chickens. It can be sown early and the chickens will have good, rich food all summer from one planting. They like it better than garden truck and it is much cheaper.

IT IS GOOD FOR PIGS. They may usually be turned into it five or six weeks after seeding, and an acre will carry from twenty-five to forty during the season. It is better to divide the field into two parts and change pastures at intervals.

FINE FOR HOGS. We are satisfied that with the same preparation of the ground and with the expenditure of 25 or 30 cents per acre for seed, a man can grow as much pork from an acre of Rape, well managed, as he can from an acre of corn, and grow his pork at a time of year when corn is usually high priced and often scarce.

RAPE FOR YOUNG CATTLE. Calves relish a small amount of Rape at a very early age and do well on it when fed judiciously. Young cattle thrive on it when it is fed in connection with natural grass pasture. Steers intended for stall feeding or late fall marketing cannot be better cared for than be allowed the run of a good field of Rape.

Prices, Genuine Imported Dwarf Essex Rape, per lb., 25c; postpaid. By freight, per lb., 15c; 3 lbs., 40c; 12 lbs., \$1.50; 50 lbs., \$5.25; 100 lbs., \$10.00. Prices subject to change.

Field Peas

CANADA FIELD PEAS

60 lbs. to bushel

With oats 1 1/4 bu. per acre 2 bu. per acre if alone

The Canada Field Pea is a true pea, and should be sown early in the Spring, germinating at the same time as oats. It is grown very largely in some portions of Colorado as a sheep feed and in Canada it takes the place of clover, belonging as it does to the same family, which has the merit of being able to use the free nitrogen of the atmosphere.

The Canada Field Pea can be used to advantage anywhere in this state, in connection with oats, as an early feed for hogs. If sown at the same time as oats in the latitude of Lincoln it will be ready for hogs about the 25th of June. The peas by that time are in the dough stage and will furnish the earliest grain feed that can be grown on the farm.

Disk the ground as early as possible in the Spring, sow the Peas at the rate of 1 1/4 bushels to the acre, plow under about three inches deep, then sow 1 bushel of oats or barley broadcast and harrow thoroughly. If merely covered with the harrow a heavy rain will uncover a good many of them.

Price 20c lb.; postpaid. By freight, 10c per lb.; \$1.00 per peck; \$3.50 per bu. Prices subject to change.

Cow Peas

Highly recommended to plant with oats or kaffir corn, increasing the fertility of the soil for the succeeding crop and leaving the ground mellow and clean from weeds. Do not plant until the weather has become warm; sow 2 bushels if alone, and 1 bushel if with other seeds.

WHIPPORWILL. Early, bunch-growing variety. Per lb., 20c; postpaid. By freight, 10c per lb.; 90c per peck; \$3.00 per bu. (60 lbs.). Prices subject to change.

NEW ERA. An early variety. Maturing seed in from 80 to 100 days. Probably the best sort for North and West. Can be sown after wheat is taken off the ground and still produce a good crop of forage or peas. Prices, by mail, 20c lb.; postpaid. By freight, 10c per lb.; 90c per peck; \$3.00 per bu. (60 lbs.). Prices subject to change.

Soja or Soy Beans

This valuable forage and fertilizing plant is similar to clover in its habits of growth, but produces pods filled with nutritious beans, relished by all kinds of stock. For pasturing or feeding as green fodder it is very valuable, and nearly equal to clover for fertilizing. Because of its erect habit of growth; they are far easier to harvest and cure than the cow peas. A larger crop may be secured by planting and cultivating like corn, cutting with a corn binder and curing in shocks.

Price per lb., 20c; postpaid. By freight, 15c per lb.; \$1.00 per peck; \$3.00 per bu. Prices subject to change.

Grasses

Orchard Grass

14 lbs. to the bu.; 1½ to 2 bu. per acre

Because of its rapid growth orchard grass is one of the most valuable and popular of our domestic grasses. It is hardy and may be grown anywhere in the United States, except the extreme South and the arid regions of the West. It is a very hardy perennial vigorous grower and does as well in shade as in sunshine. It is about two weeks earlier than timothy and one of the last to succumb to frost in the fall.

Orchard Grass will stand repeated pasturing and mowing, makes from 2 to 6 tons of very nutritious hay. In many sections it may be grazed throughout the winter. It resists droughts remarkably well, and will succeed in any soil or climate where other grasses will grow.

The tendency of Orchard Grass to grow in tufts may be overcome by thorough preparation of the ground and liberal seeding or sowing with other grasses. It may be sown with good results at most any time from January to September, inclusive. Sow (if alone) 1½ to 2 bushels per acre.

Price, per lb. 35c; postpaid. By freight, 30c per lb.; \$3.00 per bu. (14 lbs.). Write for prices in larger lots.



ORCHARD GRASS

Meadow Fescue

OR ENGLISH BLUE GRASS

14 lbs. to bu. Sow 21 to 28 lbs. per acre



MEADOW FESCUE

Hardy and very valuable for seed and pasture. Starts early in the spring and lasts until November and December. Just the grass for permanent pasture or meadow.

Meadow Fescue grows

luxuriantly, the blades being broad, tender and nutritious, and springs up quickly after cropping. It starts early in the spring, affording most excellent grazing by March 20 or 30, and in the fall will frequently keep cattle fat until late in November. For hay it should be cut soon after the blossoms fall.

Sow broadcast, 21 to 28 pounds of seed per acre on a well prepared bed, and harrow once lightly to cover the seed. On moist or wettish (not too wet) and on gumbo land the plant flourishes wonderfully, yields the heaviest and holds on more tenaciously than anywhere else. Plant good, clean seed. The best seed is the cheapest to buy.

Cheat looks very much like Meadow Fescue. If you buy from us you are sure of getting the pure seed.

Price, per lb. 30c; postpaid. By freight, 20c per lb.; \$2.00 per bu. Write us for prices in larger lots.



BROMUS INERMUS

Bromus Inermus

Grows in Dry, Semi-Arid Regions. Very Resistant to Drought and Freezing. Lengthens Season of Green Pasture.

14 lbs. to bu. Sow 20 lbs. per acre.

Nebraska Experiment Station says: This is one of the principal grasses grown in the dry and semi-arid regions of Russia and Siberia. It starts very early in the spring, and continues growth until late in the fall. Brome grass spreads by means of underground rootstalks. As a hay crop, the grass usually furnishes good cuttings for two or three years, sometimes cutting three tons of cured hay per acre, after which the sod becomes so root-bound that the grass does not grow tall enough for hay (this can be overcome by disking) but will furnish the best pasture for several years.

PRICES ON ALL GRASS AND FIELD SEEDS SUBJECT TO MARKET CHANGES

Grass Seed--Continued

For *Bromus Inermus* seedling the soil should always be in fine tilth and well packed. For spring sowing, a piece of fall plowing is most easily prepared and furnishes an almost ideal seed bed. If the land is plowed just preceding the sowing, it should be thoroughly worked down with disk and smoothing harrow until a fine, firm seed bed is made.

Sow early at least 20 pounds of seed alone broadcast per acre; or better, disk in. Cover the seed by harrowing twice with smoothing harrow. Do not be discouraged in case you should get a thin stand, as the grass will thicken rapidly after the first season.

FALL SOWING. Sow 20 pounds to the acre before September 15th, disk in on wheat or oats stubble; in this way one gets almost full use of the grass next year.

Prices Fancy Grade Pure Seed, per lb., 35c; 5 lbs., \$1.40; postpaid. By freight, per lb., 25c; per bu. (14 lbs.), \$2.50; 5 bu. lots, per bu. \$2.45; 100 lb. lots, per 100 lbs., \$16.00. Write for prices on larger lots.

CANADA BLUE GRASS. This is the blue grass of Canada, New York and the New England States. It does better on poor, clayey, thin soils than on rich land. It is smaller, grows closer to the ground and stands cold and drought better than Kentucky Blue Grass. Has a very blue color and flattish stems. Very nutritive and really a valuable grass. Not desirable for lawns. Price, per lb., 35c; postpaid. By freight, per lb., 25c; per bu. (14 lbs.), \$1.50.

ENGLISH OR PERENNIAL RYE GRASS. This grass is considered invaluable for permanent pasture grass. Produces an abundance of remarkably fine foliage and soon forms a compact sod. After being cut it grows quickly and remains bright and green through the season. It is also a good variety for hay if cut when in blossom, as it is then most nutritious. Flourishes best in moist soil. Price per lb., 25c; postpaid. By freight, per lb., 15c; per bu. (24 lbs.), \$2.00.

TIMOTHY. This grass is used exclusively for hay and does well on most any soil. Sometimes



RED TOP

grows to the height of 4 feet on rich loam. It is exceedingly nutritious, particularly when ripe. This grass is also used for pasture. It is, however, better for hay and is sown mostly with Red Clover. Price, per lb., 20c; postpaid. By freight, Fancy, per lb., 10c; per bu. (45 lbs.), \$4.00.

RED TOP. Valuable either for mixing in hay or permanent pasture grass. Succeeds almost everywhere but does best in moist, rich soil. It is being sown with Alsike in Western Nebraska, with a great deal of satisfaction. It is often sown with Timothy and Clover. Price, Fancy hulled, per lb., 40c; postpaid. By freight, per lb., 30c; per bu. \$3.00. Fancy unhulled, per lb., 25c; postpaid. By freight, per lb., 15c; per bu. (14 lbs.), \$1.75.



KENTUCKY BLUE

KENTUCKY BLUE GRASS. This valuable grass is very productive, usually early and very desirable as a pasture grass. It comes in the spring and with a few rains during the summer will make good pasture until late fall. It is surprising how well this grass does in the West, even during the dry season. It is very desirable for lawns. Price, per lb., 35c; postpaid. By freight, per lb., 25c; per bu. (14 lbs.), \$2.00.

JOHNSON GRASS. As a meadow or hay grass this variety is highly esteemed in the South and during the hottest and driest season it can be depended on to yield heavily. It is hard to get rid of when once started and for this reason it should not be allowed to get started in cultivated lands. Price, per lb., 30c; postpaid. By freight, per lb., 20c. Ask for price in larger quantities.

Grass Mixture

MIXTURE FOR HOG PASTURE. This will be considered very heavy seeding and expensive, but if you have a hog pasture for keeps, you cannot afford to skimp on seed or limit the varieties. Alfalfa, Mammoth Clover, Red Clover, Alsike Clover, White Clover, Timothy, Blue Grass, Orchard Grass, Meadow Fescue. 25 lbs. per acre, for \$4.25; per 100 lbs., \$16.00. Write for prices in larger lots.

MIXTURE FOR LOW, DAMP SOIL. Can be cut for hay but better for pasture. Kentucky Blue Grass, Red Top, Meadow Fescue, Alsike Clover, English Rye Grass and Timothy. Price, 20 lbs. per acre, \$2.50; per 100 lbs., \$11.25.

UNIVERSITY GRASS MIXTURE. This is a special mixture recommended by the University Experiment Station as the best for pasture. We mix it in the right proportion and use only the very best grade of seed. Brome Grass, Meadow Fescue, Orchard Grass, Alfalfa. Price, 24 lbs. per acre, \$4.20; per 100 lbs. \$16.50.

MIXTURE FOR HIGH LAND. Good for pasture and hay. Brome Grass, Meadow Fescue, Orchard Grass, Timothy, Alfalfa and Red Clover mixed in proper proportions. Price, 20 lbs. per acre, \$3.25; per 100 lbs., \$15.00.

PRICES ON ALL GRASS AND FIELD SEEDS SUBJECT TO MARKET CHANGES



SEED CORN

Purchasers of Griswold's Western Grown seed corn can rely upon good varieties. All of our seed corn is prepared by experienced seed men. We do not have boys in our employ for this work. Furthermore, each variety of seed corn is kept entirely separate. Our seed corn is brought to our warehouse in the car. Here the ears are carefully hand-picked and only perfect ones, with sound corn, are saved. The poor corn goes to the grinder for feed, while the perfect ears are sent to the butting and tipping machine, which shells off the butts and tips, leaving only the perfect, regular sized kernel for seed. After shelling, the seed corn is run through a large cleaning machine, equipped with separating screens. A powerful fanning mill blows out all trash and light kernels. Before our seed corn is shipped out it is placed in our Seed Tester, the plans for which were endorsed by the United States Department of Agriculture. Here it must test out at least 90%. Farmers cannot run the risk of a poor stand. Better let us furnish something that we have tested and know is good.

CALICO. That fine, large, variegated corn that always yields well and makes big ears. This corn always gets ripe before frost.

GOLD MINE. The grain is a rich golden, shining like new coin from the mint; dent, long, deep; kernel often over three-fourths of an inch long. This corn will shell more pounds to seventy pounds of ears than any corn we know of. Seventy pounds of Gold Mine on the ear will make 62 to 68 pounds of shelled corn. This is the smallest proportion of cob of any variety.

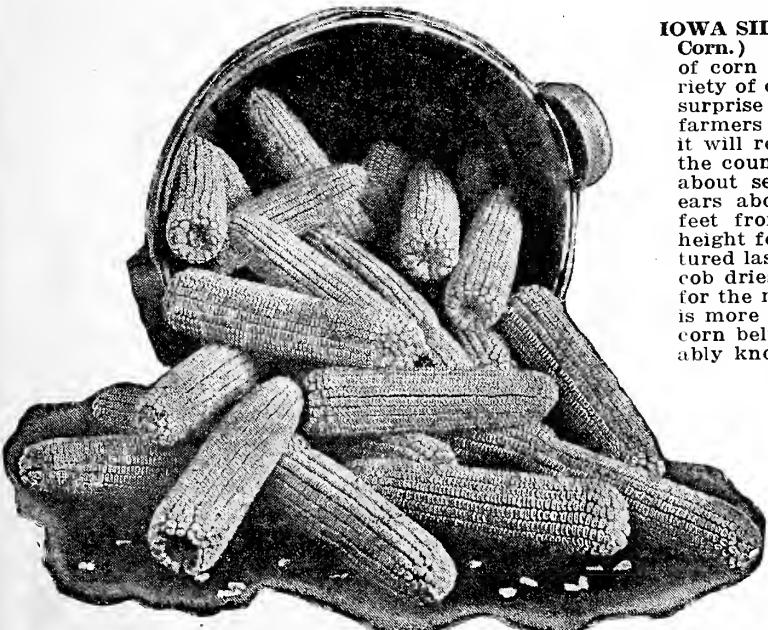
HOGUE'S YELLOW DENT. This corn is highly endorsed by the State Experiment Station and is one of the very best corns for Nebraska and Kansas. Ears are medium size to large, maturing in about 100 days.

IMPROVED REID'S YELLOW DENT. Has a wide reputation, and is endorsed by more experiment stations than any other corn grown. Has heavy stalks with an abundance of blades, making extra fine fodder. It will ripen in 90 to 100 days and will yield from 50 to 80 bushels per acre ordinary farming.

PRIDE OF THE NORTH. This is a well known variety; beautiful, deep dented, fine golden color, 8 to 9 inches long, with small cob and very long and deep kernels. A tremendous sheller. Seventy pounds of ears will make 60 pounds of shelled corn. The stalks grow to a height of about 7½ feet, are short jointed and leafy; average distance base of ear from ground is 3 feet. Two well developed ears are frequently found on a single stalk. Will run about 40 to 75 bushels to the acre. Ripens in 85 to 90 days, is hardy and vigorous.

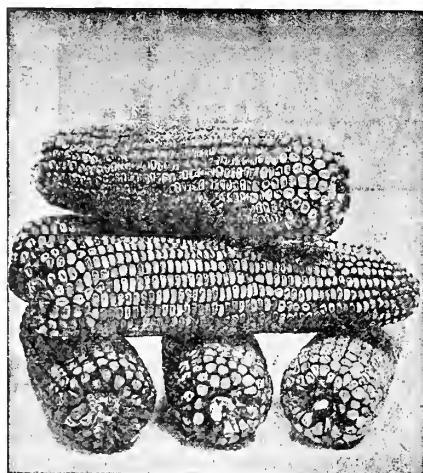
IOWA SILVER MINE. (The Great \$1000 Corn.) The introducer of this variety of corn says: "The most marvelous variety of corn ever offered, and which will surprise everyone who plants it. If the farmers take hold of this as they should it will revolutionize the corn growing of the country. Stalk grows to a height of about seven or eight feet and sets the ears about three and one-half to four feet from the ground. Just the right height for easy picking. It is early, matured last year in less than 95 days. The cob dries out rapidly, so that it is ready for the market very early." This variety is more generally grown throughout the corn belt and is more widely and favorably known than any other white corn. It is a sure cropper; very early, deep grain, pure white, and a good corn in every way. It seems to have the faculty of producing a better crop on old, thin land than any other corn, as it seems to adapt itself to unfavorable conditions. This seems to be a characteristic of most white corns.

Price of all above corn, pkt., 10c; pint, 20c; quart, 30c; postpaid. By freight, ½ peck, 45c; peck, 75c; ½ bu., \$1.35; bu., \$2.50. Shelled only.



SILVER MINE

PRICES ON ALL GRASS AND FIELD SEEDS SUBJECT TO MARKET CHANGES



FUNK'S YELLOW DENT

WHITE FLINT. The handsomest flint corn and especially recommended for Minnesota and South Dakota. The great feature of this variety is the large grains and small cob it produces. If an ear be broken, you wonder that it is possible for so small a cob to hold and nourish so much grain. The ears are 12 to 15 inches long, smooth and symmetrical. Kernels are broad and flinty, and white in color. White Flint makes a very sturdy and vigorous growth with a great abundance of broad, succulent leaves, and is of great value for fodder and silage as well as grain. We consider this the finest of the flints.

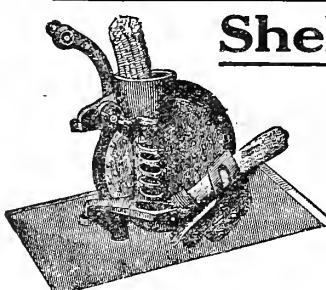
YELLOW FLINT. Similar to White, except color.

Price of all above corn, pkt., 10c; pint, 20c; quart, 30c; postpaid. By freight, $\frac{1}{2}$ peck, 45c; peck, 75c; $\frac{1}{2}$ bu., \$1.35; bu., \$2.50. Shelled only.

BOONE COUNTY WHITE. Very best of white corn, of extra large size, good yielder and medium early. Quality is excellent and is particularly adapted for milling purposes, making a fine white meal. Withstands the dry weather and winds remarkable well. Price, pkt., 10c; pint, 20c; quart, 30c; postpaid. By freight, $\frac{1}{2}$ peck, 45c; peck, 80c; $\frac{1}{2}$ bu., \$1.50; bu. \$2.75. Shelled only.

Combined

Tipper and Sheller



This is just the machine you have been looking for. It butts and tips your corn and then shells it. Also has an attachment for shelling pop corn. These machines are well made, extremely handy. You can more than pay for one by shelling and tipping your seed corn and then have it for next year. Price complete, \$1.10.

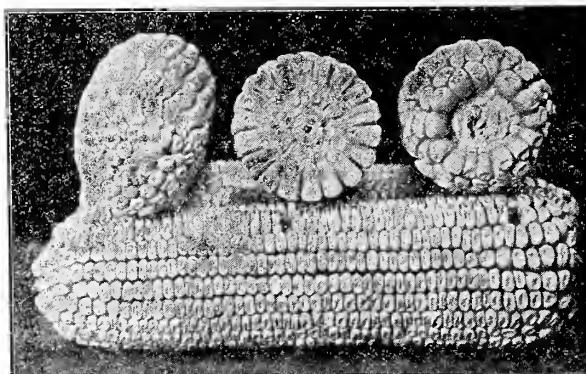
Seed Corn—Continued

FUNK'S YELLOW DENT, STRAIN 140. This Funk's Yellow Dent is an improvement of Reid's Yellow Dent, and has the same general characteristics. The ears are from 8 to 11 inches long, cylindrical in shape from butt to tip, with 18 to 20 rows on a small cob. The kernels set very close together with no open space between.

IMPROVED LEAMING. A rich golden dent corn, good sized ears, rich in protein. Owing to the deep, bright color, smooth, tapering ear, and solidity and weight of this corn, it is in high demand by shippers, either for ear corn or shelled. In our opinion, it is a splendid feeding corn as the grain seems to be particularly rich. It grows to medium height, setting the ears about four feet from the ground, husks very easily and the corn is very snug on the cob, making a solid, heavy ear. It is a very productive sort, and because of the smooth, even surface, it is much nicer to handle than the rough, hackled sorts.

NEBRASKA WHITE PRIZE. Ears are large and well filled at both ends, the white cob being hardly visible. The corn is medium late, and yields frequently 75 bushels to the acre.

WHITE CAP BUTCHER. A medium yielder, early red corn with white cap; will mature in 85 to 90 days and be good and sound.



BOONE COUNTY WHITE

Corn Planters



NO. 1

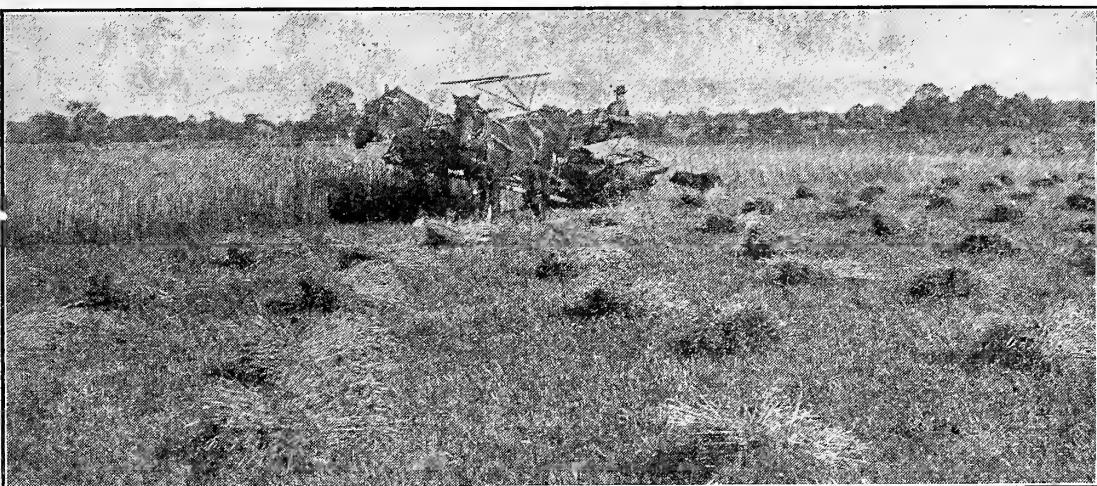
NO. 1. Good, reliable two-hand planter. Price, by freight or express, \$1.00.

NO. 2. Segment one-hand corn planter, adjustable for planting all kinds of corn. Has pumpkin seed attachment, is well made in every way. Price, by freight or express, \$1.25.

For other Tools, Seeders, etc., see Pages 119-122.



NO. 2



Spring Wheat

MACARONI KUBANIA WHEAT. This wheat is tall, with broad, smooth leaves. The heads are large, heavily bearded, and have much the appearance of barley. The kernels are large, very hard, having less starch than common wheat. Largey used in the manufacture of macaroni, and makes excellent flour. The habit of growth adapts Macaroni Wheat to regions of light rainfall, having great ability to withstand droughts and heat. It requires rich soil, but will grow in alkali. Reports show a better yield per acre of Macaroni or Durum Wheat than other spring varieties. Sow early in the spring, as it is not easily injured by frost. Prices, by freight, per peck, 60c; per bu., \$2.10; 10 bu. lots, per bu., \$2.00.

MARQUIS WHEAT. (The World's Champion.) This wonderful new variety was originated by Dr. Saunders, of the Central Experimental Farm, Ottawa, by breeding Red Fife on a very early wheat grown in India. You have noticed in the Governmental Farm reports during the last two or three years how much earlier than other wheats Marquis has proven itself—and you know wheat earliness means in this country. You have seen Marquis top the list in these trials for yield. You have examined prize winning samples at the seed fairs, and no doubt know how Marquis swept the board in the Field Crop Competitions in the different localities; you must have been struck by its outstanding quality in Government Milling and Baking Tests and that it will produce a flour of quality superior to the Fife and Blue Stem varieties as now raised in the Northwest, while this high milling test must have impressed you as significant, and we know that you, like the Canadians, were real proud when it won the \$1,000.00 prize at the New York Land Show against the whole world, landed the World's Championship at the Dry Farming Congress held at Lethbridge, Alta., October 19th to 26th, 1912, and has since repeatedly proven its superiority. It is similar in appearance to Red Fife, but the heads as a rule are heavier and the straw shorter, making it less likely to lodge. The kernel is flinty, a little darker in color than Red Fife, being dark red, and more plump than that variety. It is beardless, having smooth yellow chaff. It weighs from 64 to 66 pounds to the measured bushel. We know of no variety of wheat which has sprung so quickly into popular favor and met with so widespread interest as Marquis wheat. As a result, the demand is likely to exceed the supply, particularly of seed which is of first-class quality. We have arranged for a considerable amount of seed, and have booked many orders for this variety. We urge, therefore, that orders be sent us as promptly as possible after receiving this catalogue. We have made the prices very reasonable, per bushel. Considering the increased yield, finer quality and earliness of Marquis wheat, the first cost of the seed is returned many times over in the additional value which may be secured for the crop. Our prices include bags. Price, lb., 25c; 3 lbs., 60c; postpaid. By express or freight, pk., 75c; bu., \$2.50; 5 bu. lots, per bu. \$2.45; 10 bu. lots, per bu., \$2.40.



MARQUIS WHEAT



Oats

Kherson

KNOWN AS UNIVERSITY OATS
NO. 1

Hardy and good yielder. Largest yielder in Nebraska, 80 to 112 bushels to acre; two to three weeks earlier than common oats.

Kherson Oats were brought to America in 1900 by the University of Nebraska, located at Lincoln. They originally came from Kherson, Russia, where they were grown as the best early, hardy, good yielding oats in that locality. The University of Nebraska sent out small lots to farmers all over the state and tests proved that the oats far excelled their highest expectations as to earliness, amount of yield and adaptability to withstand heavy winds and not lodge.

Kherson Oats, when ripe, are a beautiful yellow in color. They have fine large spangled or full heads, which frequently contain more than 100 seeds. A good idea is obtained from illustration, which is taken from an actual photograph. The straw is stiff and does not lodge or rust. The leaves are broad, frequently three-fourths of an inch wide. They extend to the roots and are so pliable that they stay on even through threshing. The straw makes an unusually good fodder and is eaten greedily and with profit by all kinds of stock. While the kernel is a little small the berry, when the hull is off, is extra large. We have never found a grain so small but what it contained a well developed seed. This is not true of the large oats.

Under favorable conditions Kherson Oats have yielded as high as 112 bushels to the acre in Nebraska. At the Experimental Station at North Platte the yield averages about 50 bushels to the acre.

In a good favorable year Kherson Oats are three weeks earlier than common oats, thus losing by two weeks the risk of hail and two weeks better chances for a crop.

We have never sold anything that gave such universal satisfaction. In 1905 we sold over 9,000 bushels of Kherson Oats; in 1906 almost 11,000 with increasing sales each year since. These immense amounts go out in from 3 to 50 bushel lots to almost every state in the Union, and especially Iowa, Illinois, Kansas, Missouri, and Oklahoma. All these states report the yield from 10 to 30 bushels more per acre than Texas Red, Champion and other Oats. Customers who bought these oats when we first introduced them are now buying to secure a new start. Buy direct from us and you get the pure seed—no substituting.

Sow on rich soil. Reports show that they do not lodge even on bottom land. They will not give satisfaction on poor soil. Sow 2½ bushels per acre.

If you order only oats, remember the freight will be no more for three bushels than one bushel. We have handled Kherson Oats since its adaptability to our soil and climate has been proven.

Prices, 1 bu., \$1.00; 5 bu., \$4.50; 10 bu., \$8.50; 25 to 50 bu. lots, per bu. 85c. These prices are sacked f. o. b. cars, Lincoln, Nebraska.

REGENERATED SWEDISH SELECT OATS. These oats were introduced for the first time four years ago. They were "crossbred" by the Garten Seed Company of England, and the system that they used was such that it increased their vitality and put them back to their original standard of high excellence. Under this system the oats were made to weigh 52 pounds to the measured bushel. We had a small lot of these oats planted for us and they yielded a little more than twice as much as common oats under the same conditions. This season we are offering oats grown from last year's stock. Our grower says, "They beat all other kinds two to one in yield and quality." Price, lb., 20c; 3 lbs., 55c; postpaid. By freight, lb., 10c; ½ peck, 25c; peck, 35c; bu., \$1.10; 5 bu., \$5.00

Victory. One of the most remarkable varieties. Grain white, short and broad, beardless or only slightly bearded. Straw of medium height, firm and quite elastic. Has very stiff stem. Ripens early. In yield surpasses all other varieties. Wants heavy soil. Price, lb., 20c; postpaid. By express or freight, 10 lbs., 60c; ½ bu., 75c; bu., \$1.25.

PRICES ON ALL GRASS AND FIELD SEEDS SUBJECT TO MARKET CHANGES

Barley

WHITE HULLESS. A valuable variety, has large heads, plump kernels, both hulless and beardless and looks like large white wheat. It is two or three weeks earlier than any other barley and an immense yielder. As it stools wonderfully, sow only $1\frac{1}{2}$ bushels per acre. Per lb., 15c; postpaid. By freight, per lb., 5c; per bu., \$2.25.

COMMON. Succeeds best on lands more sandy and lighter than those adapted to wheat. Sow from 2 to $2\frac{1}{2}$ bushels per acre. Per lb., 15c; postpaid. By freight, per lb., 5c; per bu., \$1.35.

MANDSCHEURI. It is an early six-rowed variety, maturing 80 to 90 days from the time of sowing; is very strong strawed and stools well, bearing large heads of plump grain, adapted to all kinds of soil and climate. Per lb., 15c; postpaid. By freight, per lb., 5c; per bu., \$1.65.

CHAMPION. It is beardless and nice to handle. Grows tall and stands up well. Straw is good and grows taller than any other variety. Per lb., 15c; postpaid. By freight, per lb., 5c; per bu., \$1.75.

Broom Corn

46 lbs. to the bushel

OKLAHOMA DWARF. This variety possesses several features of merit which distinguish it from others and place it at the head, viz.: Its earliness, dwarf habit (5 feet high), robust growth, extreme productiveness, long, well-fibered brush and above all, its ability to resist drought. Per lb., 20c; postpaid. By express or freight, 25 lb. lots, per lb., 7c; per bu., \$2.75.

IMPROVED EVERGREEN. The best variety for general cultivation on account of color and quality of brush. Per lb., 15c; postpaid. By freight, per lb., 7c; per bu., \$2.50.

DWARF. Grows from 3 to 4 feet high, straight brush. Used for making whisks and brushes. Per lb., 15c; postpaid. By freight, per lb., 7c; per bu., \$2.75.

Buckwheat

JAPANESE. This sort has proven to be much earlier and more productive than any other variety. The grains are very large and of rich, brown color. It excels in yield and earliness. Per lb., 25c; 3 lbs., 60c; postpaid. By freight or express, per peck, 60c; per bu., \$2.00.

SILVER HULL. A very good and popular variety. The grain is of light gray color, is rounder

than the common variety, matures earlier, and yields a half more to the acre. Per lb., 20c; 3 lbs., 45c postpaid. By express or freight, per peck, 60c; per bu., \$2.00.

COMMON. Sown in June, broadcast, at the rate of 2 to 3 pecks per acre. Per lb., 25c; 3 lbs., 60c; postpaid. By freight or express, per peck, 60c; per bu., \$1.95.

ON ALKALI LANDS YOU CAN SOW

Brome Grass	Sorghum	Common Millet	Sweet Clover
Canada Field Peas	Sand Vetch	Dwarf Essex Rape	Corn Saver Beet

TABLE OF WEIGHTS OF GRASS AND FIELD SEEDS

Showing number of Pounds to the Bushel and amount of Seed necessary for an acre.

	No. Lbs. to Bu.	No. Lbs. to Acre		No. Lbs. to Bu.	No. Lbs. to Acre
Alfalfa	60	20 to 30	Kentucky Blue Grass	14	21 to 36
Alsike Clover	60	6 to 8	Meadow Fescue (English Blue Grass)	14	21 to 28
Barley	48	48 to 96	Milo Maize	50	4 to 6
Beans	60	75 to 100	Millet (except as noted)	50	25 to 50
Billon Dollar Grass	40	10 to 15	Oats	32	32 to 64
Buckwheat	52	25 to 40	Onion Sets, top	28	
Broom Corn	46	10 to 12	Onion Sets, bottom	32	320 to 400
Brome Grass	14	25 to 40	Orchard Grass	14	25 to 30
Blue Grass, Kentucky	14	25 to 30	Pearl Millet	50	5 to 8
Blue Grass, English	14	21 to 28	Peas, field or smooth garden	60	90 to 120
Cane in Drills	50	6 to 8	Peas, wrinkled	56	
Cane for Fodder Broadcast	50	100 to 150	Peanuts	24	24 to 30
Clover, Alsike	60	6 to 8	Pencilaria	50	5 to 8
Clover, Red	60	12 to 15	Potatoes, Irish, good measure	60	480 to 600
Clover, White Dutch	60	6 to 8	Potatoes, Sweet	50	
Corn	56	8 to 10	Rape	60	5 to 6
Corn, on Ear	70		Red Top	14	20 to 30
Cow Peas	60	60 to 90	Red Clover	60	12 to 15
English Blue Grass (Meadow Fescue)	14	21 to 28	Rye	56	72 to 90
Flax	56	28 to 42	Rye Grass, English or Perennial	24	50 to 60
Hemp	44	30 to 60	Speltz, or Emmer	40	80 to 120
Japanese Millet	40	10 to 15	Sweet Clover	60	6 to 8
Johnson Grass	25	25 to 50	Timothy	45	15 to 20
Kaffir Corn	50	50 to 100	Wheat	60	60 to 90

PRICES ON ALL GRASS AND FIELD SEEDS SUBJECT TO MARKET CHANGES



SUDAN GRASS

face about the first of June. It grows very rapidly in 1 to 4 feet of water and reaches a height of 7 to 10 feet.

It should be planted broadcast from a boat in 1 to 3 feet of water having a mud bottom. It has been successfully planted through the ice in winter and in early spring, when the seed was kept moist, but succeeds best when planted in the fall. There is no question that Wild Rice can be grown in almost any fresh water, lake or pond in this Western country. It does well even in soils and water affected by alkali.

As an attraction for wild fowl it cannot be equalled and ducks will travel hundreds of miles to get it. It is used very extensively on private shooting grounds all over the United States.

Prices furnished on application.

We would like very much to hear from our many customers just what success they have had with our seeds this past season, and if there is any particular article that you had extra success with, we would be very glad indeed to have you write us, stating the conditions under which it was grown, etc.

We use this method of procedure to enable us to know just what varieties are best for certain sections. Do not hesitate to write us in fall about anything in seeds that you have bought from us, and we will certainly appreciate the favor.

Before sending your orders look over the index as you will, no doubt, find something else you want. When sending your seed order, include a few plants, poultry, supplies, insecticides, etc. Thus you will save time and express charges.

Sudan Grass

Sow in drills 2 to 3 lbs. per acre; broadcast 25 lbs.

A new forage crop of immense value to the West.

Possibly the greatest recent discovery in the way of a pasture and forage grass, promising adaptability to all sections of the United States, was made in 1909, when Prof. C. V. Piper, of the United States Department of Agriculture, discovered Sudan Grass in Kartoum, Egypt. Professor Piper brought back a small amount of the seed with him and as early as 1910 it was given a trial at the Government Experiment Station near Chillicothe, Texas, where its ability to withstand a protracted drought attracted attention from all who saw or heard of it. Since that time it has been grown in many sections of the West and Southwest, and from all directions come reports of enormous yields of seed and hay, in some instances, almost past belief.

SUDAN GRASS is thought to be the wild original form of our cultivated sorghums. Its close cellular construction makes it a plant capable of withstanding droughty conditions. Like Kaffir, it has power to "cell" its sap during extremely dry weather, thus enabling it to live for weeks, often without any visible growth, waiting for moisture. When moisture is received the plant resumes its growth and the crop matures. Sudan Grass is strictly an annual and dies each year like Millet and must be seeded again each spring.

After cutting it renews its growth promptly when moisture conditions are favorable, and in about 40 to 50 days another cutting is ready. The grass stools abundantly after first cutting and the second and third cuttings are very fine stemmed. Ordinarily two or three cuttings may be expected from the central United States southward, and one cutting north of the middle.

Experiments uniformly indicate that Sudan Grass has proved a very satisfactory hay crop in all of the places where it has been tried and promises everywhere results of exceptional value.

SUDAN GRASS may be planted in cultivated rows, in close drills, or broadcast. It is very susceptible to frost, being quite as tender as the sorghums, therefore the seed should not be planted until the ground is warm and the danger of frost is past. It should be planted as soon as safety will permit, however, in order that it may have the maximum growing season, and give the great number of cuttings and the heaviest yield of hay.

Price: We have a limited supply of this seed to sell as follows: Per lb., 25c; postpaid. By freight, per lb., 15c; 5 lbs., 70c; 10 lbs., \$1.35.

Wild Rice

The forage plant for ponds and marshes.

Wild Rice is an annual aquatic plant which sows itself in the fall, about the middle of September, lies dormant all winter and as soon as the water gets warm in the spring commences to sprout, reaching the surface about the first of June. It grows very rapidly in 1 to 4 feet of water and reaches a height of 7 to 10 feet.

It should be planted broadcast from a boat in 1 to 3 feet of water having a mud bottom. It has been successfully planted through the ice in winter and in early spring, when the seed was kept moist, but succeeds best when planted in the fall. There is no question that Wild Rice can be grown in almost any fresh water, lake or pond in this Western country. It does well even in soils and water affected by alkali.

As an attraction for wild fowl it cannot be equalled and ducks will travel hundreds of miles to get it. It is used very extensively on private shooting grounds all over the United States.

Prices furnished on application.

Millets

GERMAN MILLET. This grows very rank and is one of the best varieties for hay on account of being so sweet, palatable and milk-producing. On good, rich soil it will make a growth of 4 to 5 feet, and although the hay may seem coarse, yet it is so tender that if cut at the right stage, which is when in full bloom, even the hogs will eat the cured hay quite greedily. A yield of five tons of hay per acre is nothing unusual. Sow three pecks per acre. Price, per lb., 15c; postpaid. By freight, per lb., 5c; bu., \$1.85.

HUNGARIAN MILLET. In the Northwest no other variety is so well known and so much grown for hay as the Hungarian Millet. It is so valuable because it requires such a short season to make a fine crop of the most nourishing and milk-producing hay. On this account it is the best catch crop when other crops, already put in, for some reason fail to grow. In many localities where early potatoes are grown for the market Hungarian is sown for a second crop as soon as the potatoes have been harvested, and thus a crop of potatoes and a crop of hay are harvested in one year from the same piece of ground. Hungarian does not grow as coarse as many other Millet varieties, but still yields quite heavily, three to four tons of hay per acre being an ordinary crop. The hay is quite leafy, of the very best quality, and is greedily eaten by all kinds of stock. For hay sow 3 pecks per acre. Price, per lb., 15c; postpaid. By freight, per lb., 5c; bu., \$2.10.

SIBERIAN. (Also called Red German, Dakota and Early Russian Millet.) It is from 2 to 4 weeks earlier than German millet, and can be cut for hay in 60 days from planting. The blades are wide, the straw fine and soft and does not make as much hay as German millet. It stools heavily. Sow $\frac{1}{2}$ bu. broadcast or $\frac{1}{2}$ bu. in drill to the acre for hay, on rich land. Price, per lb., 15c; postpaid. By freight, per lb., 5c; bu., \$1.75.

HOG or BROOM CORN MILLET. This is grown for the same purpose for which other millets are sown, but makes inferior hay unless cut very young. It, however, yields enormously of seed, even 60 to 70 bushels to the acre, and this seed is very advantageously used for fattening swine and other stock, and is of special value for this purpose in sections where corn cannot be safely or, cheaply grown. Seed also makes very fine feed for poultry and young chicks. It is very similar to the Early Fortune Millet, except that the seed is yellowish-white in color. It will mature in about two months from sowing the seed. Price, Fancy Recleaned Hog or Broom Corn Millet, per lb., 15c; postpaid. By freight, per lb., 5c; bu., \$2.25.



MILLET

PENCILARIA or PEARL MILLET. It grows luxuriantly on any soil suitable for corn, especially on rich land, where it will grow 10 to 12 feet high, but cutting should commence when $2\frac{1}{2}$ to 5 feet. After being cut it will stool out enormously, become thicker and during the warm weather grow with marvelous luxuriance. It also does well on poor soil. Very desirable in districts subject to drought as it continues to grow in dry weather, though, of course, not so rapidly. Looks more like cane than millet. Sow 2 to 3 lbs. per acre in drills 3 feet apart. Do not plant until warm weather. Price, per lb., 25c; postpaid. By freight, per lb., 15c.

JAPANESE BARNYARD MILLET. (Called "Billion Dollar Grass" owing to its high value.) Its greatest value is for green fodder, of which it yields 3 to 5 tons per acre. It is excellent for cows, producing more milk than corn fodder. It grows 6 to 8 feet high, and produces 50 to 90 bushels of seed per acre. It should be sown to give best results the latter part of May at the rate of 10 pounds per acre. Price, per lb., 18c; 3 lbs., 50c; postpaid. By freight, per lb., 8c; bu., \$2.75.

COMMON MILLET. Price, per lb., 15c; postpaid. By freight, per lb., 5c; bu., \$1.50.

Teosinte

95 Tons Green Fodder per Acre

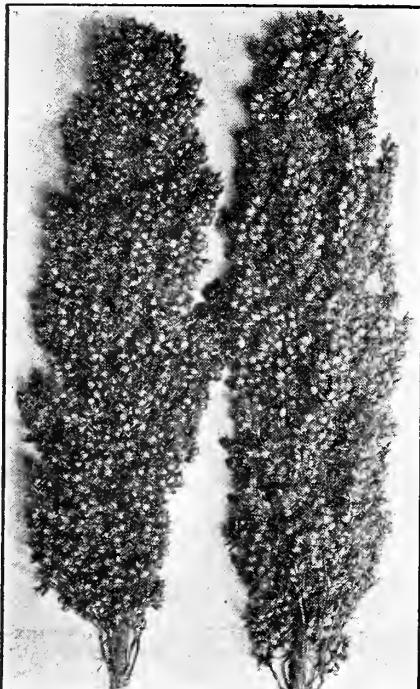
A forage plant that originated in Egypt, and which for a number of years has been grown successfully in the Southern states. It resembles corn somewhat in appearance, but the leaves are much longer and broader and contain sweeter sap.

The yield is so abundant that one plant is considered sufficient to feed a pair of cattle for 24 hours. It suckers more than any other forage plant, generally producing 20 to 30 stalks—often as many as 70 to 85 stalks from one kernel of seed, and growing to a height of 11 feet. It can be cut when 2 to 3 feet high and used for fodder, after which it will quickly grow up again. It can be cut two to five times in one season. The amount of forage to be had in this way is immense; some estimate it 300 tons per acre. It can be cut with a reaper and fed in the green state, or it can be dried and makes a magnificent fodder for cattle during the winter months. Excellent results with this plant have been reported as far north as Iowa and southern Minnesota and Wisconsin.

Price, per lb. (will plant 1 acre), 85c; 5 lbs., \$4.00; postpaid.

PRICES ON ALL GRASS AND FIELD SEEDS SUBJECT TO MARKET CHANGES





NEW SHALLU



KAFFIR CORN

New Shallu

A NON-SACCHARINE SORGHUM from India, where it is extensively cultivated under the name of "Shallu."

It is more valuable than Kaffir Corn for grain, as it yields considerably more seed, it being of stoeing habit, producing all the way from three to six stalks from a single grain, and it is quite a drough resister. The heads grow similar to Broom Corn, forming large heads of round, plump, white seeds. It is an excellent feed for horses and cattle, and for chicken feed it is unexcelled. Can be popped the same as Pop-corn, being more crisp than Pop-corn. When ground it makes an excellent flour for pancakes. It is more of a grain crop than a forage crop. It will produce more seed than any of the cane or sorghum family and about double the amount of either Red or White Kaffir Corn. Sow in rows three feet apart, three to five pounds of seed per acre. For fodder, sow half to one bushel either broadcast or in drills. Give it a trial.

Price, pkt., 5c; lb., 20c; 5 lbs., 90c; postpaid. By freight or express, at your expense, lb., 10c; 10 lbs., 65c; bu. (50 lbs.), \$1.75.

Cane or Sorghum

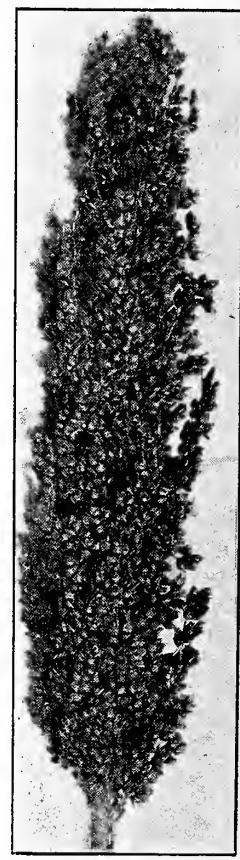
FEEDING VALUE. It is known quite definitely that an acre of sorghum will produce more food value, more pounds of beef or pork, when properly fed, than an acre of corn. The main use of the crop, however, is for a winter supply of forage, and it has this advantage over corn or any other kind of grain, that it can be sown late. It furnishes fodder in 70 to 90 days and matured seed in about 100 days.

TIME TO SOW. Sorghum may be put in almost any time up to the middle of July. June is the best time. Sow broadcast because the fodder will grow fine, will cure better, and will give better results in feeding. Eighty days will produce a very satisfactory crop. Sow 10 lbs. in rows for cultivation, 2 or 3 bu. (50 lbs. to bu.) broadcast per acre for fodder.

THE SOIL. Select the thinnest soil and highest part of your farm for sorghum. On this soil it is not so likely to fall down in seasons of excessive rainfall. Have the ground free from clods and do not plant more than one inch deep except in very light soil.

HARVESTING. Harvest as late as possible to avoid hard frost, in order that the fodder will retain its sweetness and succulence. When sown broadcast, cut with a mower and allow to dry for a week or ten days, after which it may be put up in shocks weighing about 500 pounds and allowed to stand until fed.

Price, per lb., 15c; postpaid. By freight, per lb., 5c; per bu. (50 lbs.), \$1.00. Ask for prices on larger lots.



CANE or SORGHUM

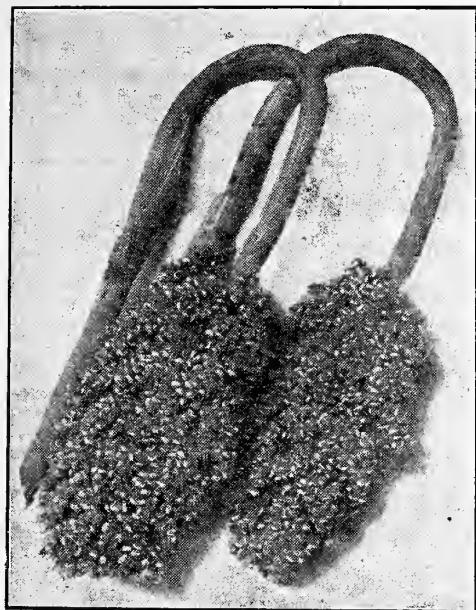
Kaffir Corn

This is a most excellent plant, yielding two crops of fodder during a season. It grows from five to six feet high, making a straight upward growth. The stem, or stalk, bears numerous wide leaves. The stalks keep green and brittle and juicy, making an excellent fodder either green or dried, the seed is a fine chicken feed.

It also seeds heavily, sometimes yielding 60 bushels to the acre. Both grain and fodder are excellent. The stalks remain tender to full maturity of seed. There is no failure about it as it possesses the quality that all the tribe possesses, of going without rain without any loss of capacity to yield.

The grain is extremely valuable for feeding to poultry and will make a flour that is like wheat. Cultivate the same as our common Indian corn, requiring five pounds of seed per acre. For fodder sow one to two bushels, either broadcast or in drills.

Price, per lb., 15c; postpaid. By freight, per lb., 5c; per bu. (50 lbs.), 90c. Ask for prices in larger lots.



JERUSALEM CORN

weed seed and is as good as can be purchased anywhere. One of the most profitable crops, especially on new land. Price, per lb., 25c; postpaid. By freight, lb., 15c; peck, 75c; bu., \$2.50.

Jerusalem Corn

The best and surest grain crop for dry countries—even better than Kaffir Corn, Dhoura and Milo Maize. It grows from 3 to 5 feet high, makes one large head on the main stalk, and several smaller ones on the side shoots; well filled with valuable grain for stock and chicken feed. Eight heads sometimes grow on one stalk, the grains are pure white and nearly flat. Three pounds will plant an acre. Price, per lb., 20c; postpaid. By freight, per lb., 10c; per bu. (50 lbs.), \$2.00.

Milo Maize

Milo Maize is an excellent grain for dry regions. It will yield 15 bushels to the acre under conditions so dry that corn will be a total failure. When fed with some succulent feed such as alfalfa, stock beets or sorghum, it makes fine feed for fattening cattle. To prevent waste, Milo Maize should be fed in heads or ground. Plant 4 to 6 pounds per acre in rows and cultivate. Price, per lb., 15c; postpaid. By freight, per lb., 5c; per bu., \$1.25.

Seed Flax

It will pay you to sow nice, pure, high-grade flax seed. For several years the available supply has not equaled the demand and prices have been very high. Our seed is thoroughly recleaned, free from mustard or any other is thoroughly recleaned, free from mustard or any other

Speltz or Emmer

This new grain was first introduced into this country about 10 years ago, and has proven of great value. It has become a staple crop in all sections of the West and Northwest and its position in the list of grains is thoroughly established. It is grown and handled in the same manner as barley, though many feeders do not thresh it but feed direct from the stack or shock. It is really better to thresh it as the process breaks up the beards and straw so that the animals eat it more readily. It is a splendid feeding grain, in our opinion second only to corn, and in dry or cold sections where corn will not mature Speltz will be the very best live stock feed that can be produced. It is in the cold and arid regions that it thrives best, and will yield wonderful crops under adverse conditions. Records of 75 to 100 bushels of grain and 3 to 5 tons of straw are reported from Kansas, Nebraska and the Dakotas. It can be used for pasture and hay after the manner of rye, and if sown with field peas will be strictly first quality. Its value lies in its hardiness, great yields, and feeding value, and it can be grown anywhere in the corn belt with profit. This grain resembles barley except that it has two berries in each hull. Sow it in place of oats. Grain is just as good for stock. Better than barley for hogs. It is liked by horses, sheep and cattle. Its straw makes feed equal to prairie hay. Price, per lb., 35c; postpaid. By freight, per lb., 25c; per bu. (40 lbs.), 85c; 10 bu. lots, per bu. 75c.

Feterita

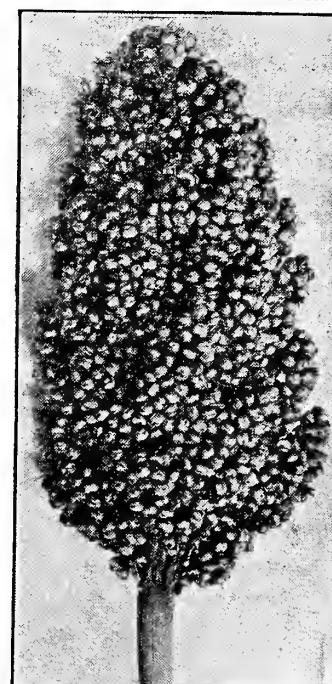
This is the very latest in non-saccharine sorghums. A new grain introduced into the United States from British Egyptian Sudan several years ago by the U. S. Department of Agriculture. It belongs to the same family as Kaffir Corn and Milo Maize and resembles these grains in some respects. It produces stalks of medium height, with ten to twelve leaves and a large upright seed head, well filled with grain. The plants stool freely, producing numerous smaller seed heads.

It matures a crop in 70 days—about three weeks earlier than Kaffir Corn. If the ground is well saturated with moisture at planting time, Feterita will mature a crop without further rainfall and its value to dry sections or to sections having a very short growing season, can hardly be overestimated. It has been known to produce crops of 70 to 80 bushels of grain per acre, but 35 to 40 bushels is considered an average yield.

The grain is white, somewhat larger than Kaffir Corn; it has about the same feeding value as Milo Maize, but is softer and more apt to heat if stored in bulk; however, the heads can be piled up without danger of heating, and it is readily fed in this way without threshing.

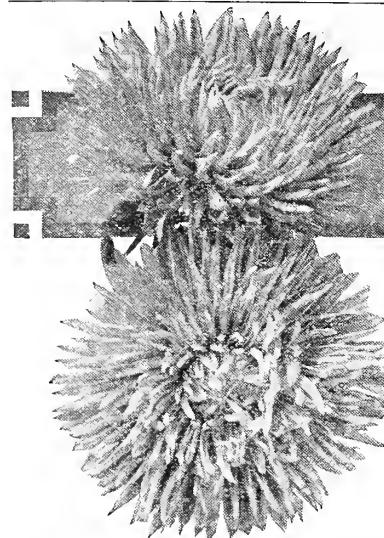
It may be fed to all kinds of live stock and poultry, whole or ground, mixed with other grain or alone, with equally good results as Corn, Kaffir Corn or Milo Maize.

Price, per lb., 15c; postpaid. By freight, per lb., 5c; per bu. (50 lbs.), \$1.50.



MILo MAIZE

PRICES ON ALL GRASS AND FIELD SEEDS SUBJECT TO MARKET CHANGES



FLOWER SEEDS

It Will Pay You to Read the Following Carefully

GENERAL CULTURE. A rather light and moderately rich soil thoroughly spaded, is most desirable. That the tiny seedlings may be seen and the weeds removed, it is better to plant all flower seeds in rows. Sow the seed evenly in the rows, cover with the finest of soil, about three times the diameter of the seed, and press the soil firmly over the seed. Keep covered with cloth or paper till sprouts appear. The soil should never become dry after the seeds have been swelled, for if it does, they will be pretty sure to fail. Do not grow the plants too thick. Keep the weeds down and the surface of the soil well stirred with a hoe or rake during the summer, especially if the weather is dry. A great many varieties can be sown in the house, if desired early, and afterwards transplanted. Most plants will continue to bloom much longer if the flowers are picked, and not allowed to form seed. **Discount: Any 6 of our Large 5c Packets for 25c.**

flowers are picked, and not allowed to form seed. **Discount: Any 6 of our Large 5c Packets for 25c.**

Seeds of Annuals

In this department we include both annuals that bloom and die the first year, and such perennials as flower freely for the first year.

For Other Vines, see pages 70-71.

For Perennials, see pages 72-83.

FLOWER SEED—ALL PRICES POSTPAID

ABROMIA (Sand Verbena)

Sweet scented, trailing plants, rosy-lilac flowers, borne in clusters. Suited for rockeries. **Pkt. 5c**

ACROCLINUM

Daisy-like, everlasting flowers; pink, white or mixed. **Pkt. 5c**

AGERATUM

One of the best border flowers, blooming all summer; of easy culture. Grows 5 inches high. Blue or white. **Pkt. 5c**

AGROSTEMMA (Rose of Heaven)

Attractive pink blossoms on long, slender stems. Very pretty in masses. **Pkt. 5c**

ALYSSUM

Profuse bloomer, good for bordering or for bouquets; fine for window boxes. Sow very early. Sweet. Fragrant white flowers. The old favorite. **Pkt. 5c**



ANTIRRHINUM

Little Gem. Dwarf and compact. Good for border. **Pkt. 5c**

Carpet of Snow. Very dwarf trailing plant. **Pkt. 5c**

AMARANTHUS (Tricolor Splendens—Joseph's Coat)

2½ feet. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. The colors are especially brilliant if grown in poor soil. **Pkt. 5c**

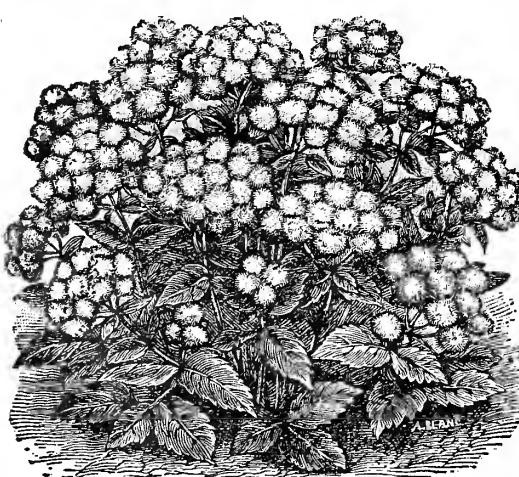
ANTIRRHINUM (Snapdragon)

Dark glossy leaves and beautiful spikes of flowers, with finely marked throats; one of the most showy border plants. Of easiest culture.

Queen of the North. Large, fragrant, white flowers. Nice for pot-culture as well as borders. **Pkt. 5c**

Tall Sorts, Mixed. All shades of red and yellow; best for cutting. **Pkt. 5c**

Dwarf Sorts, Mixed. Large variety of colors; best for edging. **Pkt. 5c**



AGERATUM

ASTERS

One of the most popular flowers for late summer and fall display. Sow seed early in deep soil with plenty of mulch.

Hohenzollern. Improved. The flowers are very large and double, with curled petals on long stems, very graceful. White, pink, lavender, purple or mixed. Pkt.....10c

Giant Comet. (See cut at top of page.) A beautiful, distinct variety, resembling chrysanthemums. Mixed. Pkt.....5c

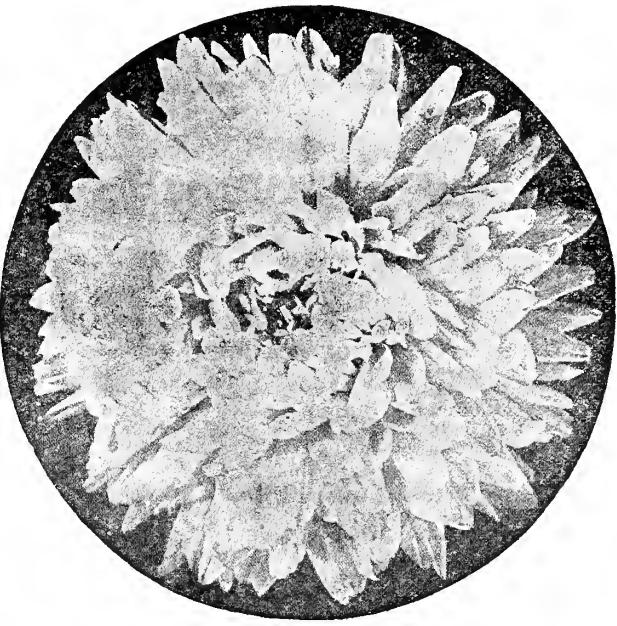
Branching. Large, late-blooming, with long, strong stems. Mixed colors. Pkt. 5c

Betteridge Quilled. Flowers large, freely produced, and of brilliant colors; height 12 inches. Mixed, all colors. Pkt.....5c

Truffaut's Peony Perfection. Large and perfectly double, with beautifully curved petals, giving flowers a globular form. Mixed colors. Pkt.....5c

Chrysanthemum Dwarf. 9 inches high. Good sized flowers, free bloomer. Mixed colors. Pkt.5c

Started Plants. Mixed colors. Per doz., 50c; postpaid.



ASTER

Camellia-Flowered. The best of all balsams. Flowers very large, perfect in form, double and produced in abundance. Mixed colors. Pkt.....5c

BACHELOR'S BUTTON

(See *Centaurea Cyanus*, page 64; and *Globe Amaranth*, page 64.) Pkt.....5c

BUTTERFLY FLOWER

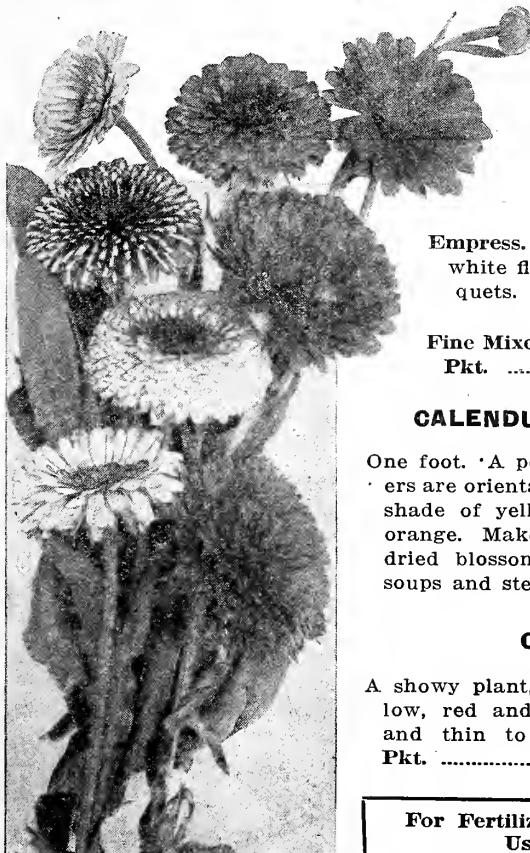
(See *Schizanthus*, page 68.)

CASTOR BEAN

(See *Ricinus*, page 68.)

CANDYTUFT

A dwarf-growing annual, making a striking display early in the season. Sow early where plants are to bloom. Grows one foot high.



CALENDULA



CALLIOPSIS

CALENDULA (Pot Marigold)

One foot. A perpetual bloomer, the flowers are oriental in color and exhibit every shade of yellow from ivory to deepest orange. Makes good cut-flowers and the dried blossoms may be used to flavor soups and stews. Pkt.....5c

CALLIOPSIS

A showy plant, producing flowers of yellow, red and brown. Sow quite early and thin to 6 inches apart. Mixed. Pkt.5c

For Fertilizer in the Flower Beds
Use "Sward Food"

CANNA (Indian Shot)

Stately plants with handsome foliage and showy flowers. The seeds should be soaked 24 hours in warm water before planting. If sown in February should bloom in July.

Crozy's Dwarf Hybrid. Saved from best and largest flowers only. All colors. Pkt. 5c



CANNA

CELOSIA CRISTATA (Cockscomb)

Plumosa. About 2 feet high, of branching habit, with feathery plumes of brilliant red; one of the most effective ornamental plants.

Tall Varieties. Mixed. Pkt. 5c

Dwarf Varieties. Mixed. Pkt. 5c

CENTAUREA

These old-fashioned flowers are fine for borders.

Cyanus. (Bachelor's Button.) Also called Blue Bottle, Ragged Sailor and Corn Flower. Is a hardy annual, coming up year after year from self-sown seed. Mixed. Pkt. 5c

Emperor. Intense blue. Pkt. 5c

Gymnocarpa. (Dusty Miller,) Graceful, fine-cut, silvery white foliage. Nice for edging beds. Pkt. 5c

Imperialis. (Sweet Sultan.) Double sweet-scented flowers borne on long, stout stems. Keeps for a week in water, if cut when about to open; 2 feet high; white, lilac, rose, purple and mixed. Pkt. 5c



CENTAUREA IMPERIALIS

Mammoth Giant Perfection. White, pink, red, or mixed. Each, pkt. 5c

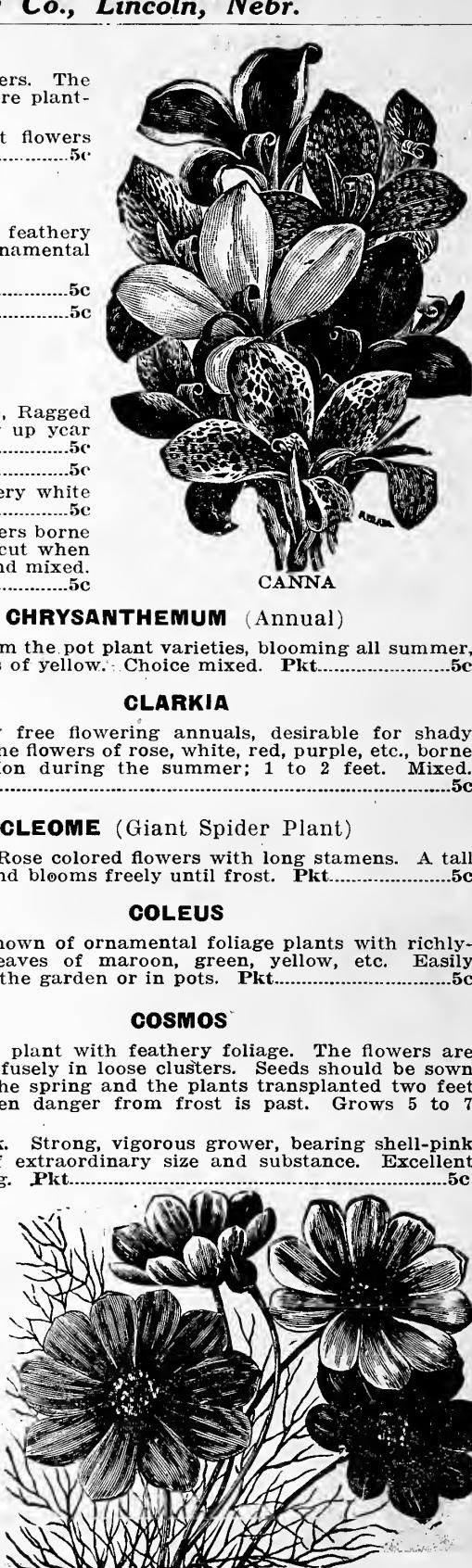
Early Flowering. Comparatively dwarf plants, producing both white and colored flowers, coming into bloom much earlier than the giant forms and will give a great profusion of bloom until late in the autumn. Mixed. Pkt. 5c

CYCLAMEN (Gigantheum)

They make flowering bulbs in one season if sown in sandy soil. Beautifully mottled leaves, immense flowers of great substance. Mixed colors. Pkt. 15c

DATURA (Sweet Nightingale)

A large, strong growing plant, with trumpet-shaped, fragrant, pearl-white flowers. Pkt. 5c



COSMOS

DIMORPHOTHECA AURANTIACA (African Daisy)

An extremely showy annual daisy from South Africa which suits our climatic conditions perfectly. The bush plant grows 12 to 15 inches high. The flowers, which are 2½ inches across, are a rich glossy orange yellow with dark disk and halo. These glitter in the sunshine and produce a magnificent sight when in full bloom. Seed may be sown in the same way as Aster or Petunias and should have a dry, sunny position. They bloom the greater part of the summer and fall. Pkt.....10c

ESCHOLTZIA (California Poppy)

Sow early, where it is to remain, as it will not bear transplanting. The foliage is finely cut and handsome, and the flowers are very showy, large and freely produced.

Californica. All shades of yellow. Pkt.....5c

EVERLASTING

(See *Acroclinium*, *Celosia*, *Globe Amaranth*, *Gypsophila*.) Pick when flowers open and hang stems up, to dry for winter bouquets. Pkt.....5c

FOUR O'CLOCKS (Marvel of Peru)

This is another good old-fashioned flower, bearing hundreds of flowers

**CALIFORNIA POPPY**

during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect. Mixed. Pkt.....5c

GAILLARDIA (Blanket Flower)

Picta Lorenziana. The heads of star-shaped flowers are greatly admired for their rich blending of red, yellow and orange. Pkt.....5c

GERANIUM

Favorite house plant. Seed started early will bloom the first year. Mixed colors. Pkt.....5c

GLOBE AMARANTH (Gomphrena)

Sometimes called Bachelor's Button. A very pretty ever-lasting flower with blossoms resembling clover. Red and white. Pkt.....5c

Mixed. Pkt.....5c

GODETIA

Beautiful garden plants, having delicately shaded, large, trumpet-shaped blossoms. Easily cultivated in any good garden soil. Pkt.....5c

GOLDEN FEATHER (Pyrethrum Aureum)

Finely cut leaves of bright golden yellow color. Extra fine for bedding. Pkt.....5c

GYPSOPHILA

Thrives everywhere and furnishes light and grace to a bouquet. The tiny white flowers are on branching stems. Pkt.....5c

HELIANTHUS

See Sunflower, page 69.

HELIOTROPE

In shades of purple, fine for bouquets; the sweet vanilla odor is liked by all. Pkt.....5c

ICE PLANT (Mesembryanthemum)

Suitable for rock work, hanging baskets, etc. Foliage thick, frosted, wax-like. Pkt.....5c

DIANTHUS**DIANTHUS**

Of value for bedding. The colors range from pure white to crimson, spotted and striped. Perennial but bloom the first summer, and for years, if the flowers are freely picked.

Chinesis. (Double Chinese or Indian Pinks.) Compact plants with large double flowers. Excellent for bouquets as well as bedding. Pkt.....5c

Hedewigi. (Double Japan Pinks.) Much larger than the Chinese pinks. Pkt.....5c

Hedewigi Fireball. Brilliant scarlet. Pkt.....5c

Hedewigi Snowball. Pure white. Pkt.....5c

Hedewigi Midnight. Blood red. Pkt.....5c

Hedewigi Mixed. All colors. Pkt. 5c

FEVERFEW

Clusters of very double, pure white flowers three-fourths inch in diameter. Fine for pot culture. Pkt.....5c



DIMORPHOTHECA AURANTIACA

IMPATIENS SULTANI

Rosy carmine flowers 1 inch in diameter, produced freely throughout the season. Although a house plant, it does finely out of doors. Pkt.....10c

KENILWORTH IVY (Linaria)

Beautiful trailing plant, with delicate white flowers, for hanging baskets. Pkt. 5c
KOCHIA (Burning Bush, or Summer Cypress)

The plants grow with many slender branches resembling a small, closely branched evergreen with light green leaves until fall, when the whole plant turns crimson. Seed germinates readily. Sow May 1, and thin to 2 feet apart. 2½ feet high. Pkt.....5c

LANTANA

Shrubby plants with Verbena-like flowers, in shades of white, red and yellow. Pkt.....5c

LARKSPUR (Hyacinth Flowered)

The flowers, which resemble a double hyacinth, are borne freely in long spikes of blue, pink and white. The plants are of dwarf habit. Sow where the plants are to bloom. Mixed. Pkt.....5c

LOBELIA (Cyrstal Palace)

Charming little plants that bloom very quickly from seed and continue all through the season. Deep blue, 6 inches high. Very nice for bedding or for borders. Pkt.

Trailing Lobelia. A dwarf plant of trailing habit; splendid for porch boxes, hanging baskets and vases. Deep blue flowers and dark foliage. Pkt.....5c



MARIGOLD

MARIGOLD

The Marigolds are old favorites, free-flowering annuals of easy culture. They light the garden with a glitter of yellow far into the frosts of autumn. The tall varieties have uniformly large yellow or orange colored flowers, and are well adapted for large beds or mixed borders. The dwarf varieties make a fine border for the taller sorts, and both are effective when planted in groups or in the garden borders.

African. Immense flowers, double; all shades of yellow. Pkt.....5c

French. Dwarf grower; double flowers, rich golden yellow marked with velvety brown. Pkt.....5c

MIGNONETTE

A well-known fragrant favorite, and no garden is complete without a bed of Mignonette; sowings made in April and again in July will keep up a succession of bloom from early summer until frost; can also be grown in pots for winter and early spring flowering. Large flowering, numerous flowers, highly colored and very fragrant. Pkt.....5c

NICOTIANA (Affinis)

Deliciously fragrant, large white, star-shaped flowers; open at evening and early morning; easily grown, blooms freely in the house. Pkt.

Sanderac. Sweet scented, brilliant red flowers on sturdy, bushy plants 2 feet high; grows readily from seed. Pkt.....10c

NIGELIA (Miss Jekyll)

Love in a Mist. The plants are vigorous and give an abundance of flowers of the clearest blue, contrasting most charmingly with the fine fern-like foliage. Pkt.....5c



NASTURTIUM

NASTURTIUM (Dwarf, or Tom Thumb)

A bed of Dwarf Nasturtiums in the yard is very brilliant and attractive, blooming all the season. One foot high.

Beauty. Scarlet, splashed canary. Pkt.....5c

Chameleon. Mottled crimson, bronze and yellow. Pkt.....5c

Crystal Palace Gem. Sulphur with maroon spots. Pkt.....5c

Golden King. Deep yellow flowers. Pkt.....5c

Golden Queen. Leaves golden-green, flowers orange yellow. Pkt.....5c

King of Tom Thumbs. Deep scarlet. Pkt.....5c

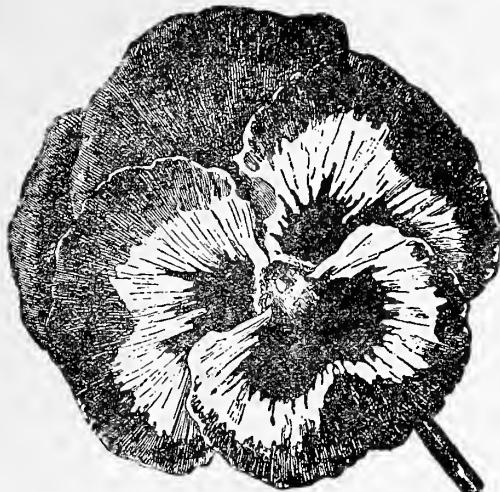
Scarlet King. Brilliant scarlet. Pkt.....5c

TALL NASTURTIUMS, see Page 71.

OUR SPECIAL DWARF NASTURTIUM MIXTURE

Will give a larger variety of colors in even proportion than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Lilliput Nasturtium and of the Dwarf Chameleon, which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown. Pkt., 5c; oz., 15c; 1 lb., 45c; lb., \$1.50; postpaid.

GRIEWOLD'S CATALOGUE



PANSY

Giant Snow Queen. Flowers of a delicate, pure satiny white, handsome and attractive. It shows finely in beds or for cut flower work, and beautifully for cemetery use. **Pkt.**.....5c

Bugnot. Shades of red and bronze. Brightest cardinal and reddish brown. **Pkt.**.....10c

Odier. Flowers of immense size, and are of the popular Odier type, being all three or five spotted on background of very rich colors. The flowers are of good substance and fine form, of most compact growth. **Pkt.**.....5c

Finest Mixed. A mixture of the best sorts and colors. **Pkt.**.....10c

Superb Mixture. A very good quality. **Pkt.**.....5c

Special Giant Mixture. An excellent combination of fancy strains, selected with a view to being as near perfection as possible. **Pkt.**.....10c

PANSY SPECIAL NO. 14	
1	pkt. each of eight Giant named colors 30c.
PANSY SPECIAL NO. 19	
1	pkt. each Bugnot, Mammoth Butterfly and Odier 25c

PANSIES

One of the most interesting classes of flowers grown. A bed of Pansies in bloom always has something new for you in variety of color and marking, every time you visit it, although they are in bloom continuously from early spring until late in fall.

The seed may be sown in the hot bed or open ground. Keep the soil moist. They prefer a shady place. Do not let the plants seed if you wish to keep them in bloom. If sown in the fall, pansies will bloom very early in the spring.

Started Plants. Mixed colors, in bud and bloom. Per doz., 50c; postpaid.

Masterpiece. (Giant Curled.) The fluted petals make the enormous flowers appear double. The colors and combinations are odd and striking. **Pkt.**.....20c
Mammoth Butterfly. The flowers are very large, of good form and substance and produce freely. In coloring they are varied, seldom two alike in a hundred plants. They are mottled and spotted, streaked, tigereed and splashed, while the colors are mainly those rich wine reds, chocolates, velvety red-brown, lavender, violet and purple shades which are only found in a pansy blossom, making a very beautiful display. **Pkt.**.....15c

Giant Adonis. Light blue. **Pkt.**.....5c

Giant Atropurpurea. Dark purple. **Pkt.**.....5c

Giant Bronbc. Shade of bronze. **Pkt.**.....5c

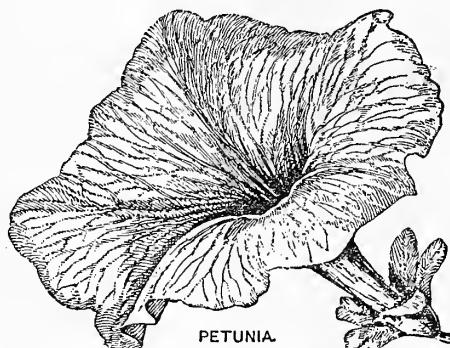
Giant Cardinal. Brilliant red. **Pkt.**.....5c

Giant Goldelse. Yellow. **Pkt.**.....5c

Giant King of Blacks. Beautiful black. **Pkt.**.....5c

Giant Emperor William. Brilliant ultramarine blue, with a purple violet eye. **Pkt.**.....5c

Fancy Striped. A beautiful variety from Belgium, with god sized flowers, striped and mottled in various tints on contrasting ground colors. **Pkt.**.....5c



PETUNIA

Petunias are very popular for their rich coloring continuation of bloom, pleasing fragrance, and easy culture. Can be sown in the open border, in full sun or partial shade. Transplant easily. $1\frac{1}{2}$ feet high.

General Dodds. Beautiful; velvety, dark red. **Pkt.**.....5c

Howard's Star. Rich, velvety, maroon with a white blotch on each petal. **Pkt.**.....5c

Snowball. Pure snowy white. **Pkt.**.....5c

Giant Ruffled and Fringed Single. The flowers are exquisitely ruffled or frilled, of immense size, and of great variety of colors. **Pkt.**.....10c

Double Mixed. Sure to produce a good percentage of double flowering plants. **Pkt.**.....20c

Single Mixed. Extra choice. **Pkt.**.....10c

PORFULACA (Rose Moss)

Brilliant dwarf annuals, blooming profusely from early summer to autumn. For low beds and masses of color they are very desirable. They thrive best in a rather rich, sandy soil and a sunny situation; will stand any amount of dry weather.

Single Mixed. All colors. **Pkt.**.....5c

Double Mixed. Not all the plants will come double, but the single ones can be pulled out. **Pkt.**.....10c

PRIMULA (Chinese Primrose)

One of the finest plants for winter blooming in the house; does well in a cool room and in north window where most other plants fail; very profuse flowering. **Pkt.**.....15c



PORTULACA



PHLOX DRUMMONDI

Seed sown in open ground in early spring will begin flowering about July first and bloom until frost. Thrives in almost any situation. For masses of separate colors or for bouquets they are unsurpassed. One foot high.

Alba. Pure white. Pkt. 5c
Scarlet. Very showy. Pkt.5c

Rosy Chamois. Beautiful shade of rose. Pkt.5c

Extra Choice Mixed. Best large flowered. Pkt.5c

Starred and Fringed. Very dwarf flowers fringed and distinctly edged with white. Mixed. Pkt.5c

POPPIES

These exceedingly showy plants grow and bloom well in ordinary soil. Sow the seed where the plants are to grow, as they do not bear transplanting.

Tulip. Cup-shaped, brightest scarlet with black spots at base of each petal. Single. Pkt.5c

Peony-Flowered Mixed. Splendid large double flowers of all colors. Pkt.5c

Shirley. Pink, carmine and brilliant crimson; many edged with white; single and half double, splendid. Pkt.5c

White Swan. Immense double fringed flowers of purest white. Pkt.5c

Carnation Flowered. Brilliant, finely fringed double flowers of various colors. Pkt.5c

RICINUS (Castor Bean)

Semi-tropical plants grown for their great size and picturesque foliage; colors range from bright green to dark red. One plant or a dozen make an admirable sight for a long distance. 6 to 10 feet high.

Pkt.5c

SALPIGLOSSIS (Velvet Flower)

Strong, erect plants with curious, funnel-shaped flowers of rich colors. Plant in warm, rich soil; among the best fall flowers. 1½ feet tall.

Pkt.5c

FLOWER SEED COLLECTION

See Page 39

SALVIA (Flowering Sage)

Among the most brilliantly colored of garden flowers and extremely useful for bedding; also valuable for pot culture. Blooms are borne in long spikes of fiery red, and continue in bloom until severe frosts. Start in house and transplant into light soil. Tender perennials, 2 to 3 feet tall. Pkt.5c

Started Plants, 50c dozen; postpaid.

SCABIOSA (Mourning Bride)

An old favorite greatly improved. Excellent for bouquets.

Tall German Double. Mixed, all colors. Pkt.5c

Black Prince. Very double, rich dark maroon. Pkt.5c

Snowball. Elegant, white flowers, sure to be liked for vases and bouquets. Pkt.5c

SCHIZANTHUS (Butterfly Flower)

Flowers are pretty and freely produced. Purple, yellow and crimson. Pkt.5c



SHIRLEY POPPIES

SENSITIVE PLANT (Mimosa)

A curious and pretty plant; the leaves close and droop at the slightest touch at night. Pkt.....5c

SMILAX

One of the most graceful climbers for the window. Sow seed in February and keep in moist place. Pkt. 5c

SNAPDRAGON

See *Antirrhinum*, page 62.

STOCK (German Ten Weeks' Perfection)

Very desirable because of its brilliancy of color, profusion and duration of bloom. Fragrant, with large double rosette-like flowers. Mixed. Pkt.....5c

Princess Alice. Snow white. Of branching habit. Very profuse bloomer, especially if kept cut. Pkt.....5c

SUNFLOWER (Helianthus)

Adapted by its tall, vigorous growth for a background. Mammoth Russian. Of immense size, single. Pkt....5c

Californicus. Extra large and very double. Pkt.....5c

WALLFLOWER

Single annual. Very fragrant; purple orange and bronze. A favorite English flower. Seed sown the first of May will bloom from July until severe frosts. It is very satisfactory as a pot plant for winter, if kept in a cool room. Pkt.....5c



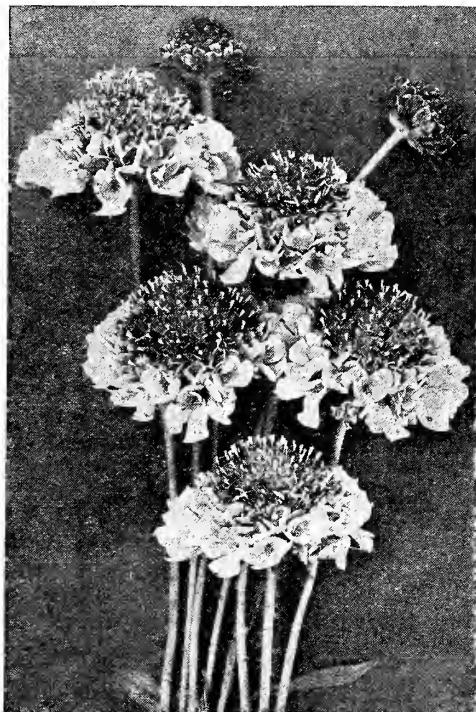
STOCKS

VERBENA

For beds or massing the verbena is unrivalled; flowers of the most brilliant colors. Sow them early and they will bloom profusely from June until winter.

Defiance. Best scarlet. Pkt.....	5c
Alba. Delicate white. Pkt.....	5c
Mayflower. Delicate pink, very fragrant. Pkt.....	5c
Hybrida Blue. Blue shades. Pkt.....	5c
Purple. Purple shades. Pkt.....	5c
Choiee Mixed. All colors. Pkt.....	5c

Started Plants. Mixed colors. Per dozen, 50c; postpaid.



SCABIOSA

VINCA (Periwinkle)

Splendid house and bedding plant, with glossy leaves and circular flower. White, pink, crimson. Mixed. Pkt.5c

ZINNIA

Flowers all summer, making the most brilliant display possible, excellent for border or summer hedge. Seeds grow easily and young plants transplant safely.

Giant Flowering. Plants of vigorous growth, about 3 feet high, bearing profusely their perfectly formed double flowers. Mixed colors. Pkt.....5c

Dwarf Fireball. Glowing, brilliant scarlet. Pkt.....5c

Zebra. Flowers striped with red and yellow. Pkt.....5c

White Gem. Small, double white flowers. Pkt.....5c



SALPIGLOSSIS

SEEDS OF ANNUAL CLIMBERS

Sweet Peas

USE FARMOGERM FOR SWEET PEAS. See page 47.

Sweet Peas are among the most beautiful of all our hardy annuals. Select a sunny, open place, several feet from any building or close fence, and as far as possible from large trees. Sow as early in the spring as the ground can be worked. Make a trench six or eight inches deep, but cover the seed only about an inch at first. As they come up, rake the dirt around the little plants, so that by the time they have reached the top of the ground, the trench will be almost full. Furnish support early. Give them plenty of water, and keep the blossoms picked closely. If they produce seed pods, they will stop blooming.

LARGE FLOWERING AND UNWIN TYPES

AURORA. A beautiful orange rose. Pkt., 5c; oz., 10c; 1 lb., 25c.

BLACK KNIGHT. Deep maroon, veined black; large and open. Pkt., 5c; oz., 10c; 1 lb., 25c.

BLANCHE BURPEE. Large pure white. Pkt., 5c; oz., 10c; 1 lb., 25c.

BOLTON'S PINK. The extra large expanded flowers are of a soft salmon-orange pink, very showy. Pkt., 5c; oz., 10c; 1 lb., 25c.

COUNTESS RADNOR. A new lavender, very fine. Pkt., 5c; oz., 15c; 1 lb., 40c.

DOROTHY ECKFORD. Pure white flowers, beautifully shell-shaped; extra large, three on a stem. Pkt., 5c; oz., 10c; 1 lb., 25c.

DUKE OF WESTMINSTER. Very rich purple, tinted with violet. Pkt., 5c; oz., 10c; 1 lb., 25c.

EMILY HENDERSON. Very large, beautiful white. Blooms early. Pkt., 5c; oz., 10c; 1 lb., 25c.

EVELYN BYATT. Standard rich orange salmon, wings a somewhat deeper shade. Very striking. Pkt., 5c; oz., 15c; 1 lb., 40c.

EXTRA EARLY BLANCHE FERRY. Standard rose-pink, wings creamy white. Very early. Pkt., 5c; oz., 10c; 1 lb., 30c.

FRANK DOLBY. Pale blue, very large and fine. Pkt., 5c; oz., 15; 1 lb., 40c.

GLADYS UNWIN. A pale rose pink, with large bold flowers on long stems. Very early. Pkt., 5c; oz., 10c; 1 lb., 25c.

HORACE WRIGHT. Large purple flowers on long stems. Pkt., 5c; oz., 10c; 1 lb., 25c.

LADY GRISSEL HAMILTON. A very light, dainty lavender. Pkt., 5c; oz., 10c; 1 lb., 25c.

LOVELY. A soft shell pink. Very good. Pkt., 5c; oz., 10c; 1 lb., 25c.

MRS. DUGDALE. Light carmine rose with faint markings of primrose. Pkt., 5c; oz., 10c; 1 lb., 25c.

MISS WILMOTT. One of the richest orange-pink sweet peas. Pkt., 5c; oz., 10c; 1 lb., 25c.

MRS. GEO. HIGGINSON, JR. Azure blue. Pkt., 5c; oz., 10c; 1 lb., 30c.

NAVY BLUE. Dark indigo blue. Large and well formed. Pkt., 5c; oz., 10c; 1 lb., 25c.

NORA UNWIN. Nicely waved or fluted; usually has three flowers on a stem. One of the best white sweet peas yet introduced. Pkt., 5c; oz., 15c; 1 lb., 50c.

PRIMA DONA. Exquisite rose pink; large and profuse. Pkt., 5c; oz., 10c; 1 lb., 25c.

PRINCE OF WALES. Rosy crimson. Pkt., 5c; oz., 10c; 1 lb., 25c.

PHYLLIS UNWIN. Very large size. Rosy carmine. Pkt., 5c; oz., 10c; 1 lb., 25c.

QUEEN ALEXANDER. Scarlet. Pkt., 5c; oz., 10c; 1 lb., 25c.

SALOPIAN. Rich red scarlet; large and fine. Pkt., 5c; oz., 10c; 1 lb., 25c.

SHASTA. Vines vigorous. Standard and wings both waved. Creamy white when first open, changing to ivory white. Pkt., 5c; oz., 10c; 1 lb., 25c.

SYBIL ECKFORD. Wings delicate lemon; standard blush pink or creamy buff. Pkt., 5c; oz., 10c; 1 lb., 25c.

SPENCER or BUTTERFLY VARIETIES

APPLE BLOSSOM. Heavily shaded and edged with deep pink, rose and white. Pkt., 10c; oz., 25c; 1 lb., 75c.

BLANCHE FERRY. Carmine rose, pinkish white wings. Pkt., 10c; oz., 25c; 1 lb., 75c.

BURPEE'S WHITE SPENCER. Extra long stems bearing three or four pure white blossoms. Standard fluted. Pkt., 10c; oz., 25c; 1 lb., 75c.

COUNTESS SPENCER. Enormous flowers, delicate pink shading deeper at the edges. Pkt., 10c; oz., 25c; 1 lb., 75c.

HELEN LEWIS SPENCER. Orange-rose wings with crimson-orange standard. Pkt., 10c; oz., 25c; 1 lb., 75c.

JESSIE CULBERTSON SPENCER. Dark rose striped on white. Pkt., 15c; oz., 75c; 1 lb., \$2.25.

KING EDWARD VII. Grand large flowers of a rich crimson scarlet. Pkt., 10c; oz., 25c; 1 lb., 75c.

KING WHITE. Giant white. Pkt., 15c; oz., 60c; 1 lb., \$1.85.

MARGARET ATLEE. Rosy salmon, buff. Pkt., 15c; oz., 60c; 1 lb., \$1.85.

MRS. ROUTZAHN. Apricot pink and straw color. Pkt., 10c; oz., 25c; 1 lb., 75c.

OTHELLO. Chocolate-red, self-colored. Pkt., 10c; oz., 20c; 1 lb., 75c.

PRIMROSE SPENCER. Pure primrose. Pkt., 10c; oz., 25c; 1 lb., 75c.

ROBERT SYDENHAM. Orange. Pkt., 25c; oz., \$1.25.

VERMILION. Brilliant, bright scarlet. Pkt., 15c; oz., 50c; 1 lb., \$1.75.

WEDGEWOOD. Large silvery blue. Pkt., 15c; oz., 50c; 1 lb., \$1.75.

SWEET PEAS IN MIXTURES

CHOICE MIXTURE OF SPENCER VARIETIES. Pkt., 5c; oz., 15c; 1 lb., 40c; 1 lb., \$1.50.

LIGHT SHADES. Light to deep pink. Pkt., 5c; oz., 10; 1 lb., 30c; 1 lb., \$1.00.

DARK SHADES. Brightest rose to dark scarlet. Pkt., 5c; oz., 10c; 1 lb., 30c; 1 lb., \$1.00.

DOUBLE MIXED. Double flowers all colors mixed. Pkt., 5c; oz., 10c; 1 lb., 40c; 1 lb., \$1.25.

CHOICE MIXED. A good mixture of many old and new varieties. Pkt., 5c; oz., 10c; 1 lb., 20c; 1 lb., 75c.

SPECIAL MIXED. A well proportioned mixture of the above named varieties. Pkt., 5c; oz., 10c; 1 lb., 25c; 1 lb., 90c.



WILD CUCUMBER

ARISTOLOCHIA (Dutchman's Pipe)

An ornamental climber with brownish flowers resembling a miniature pipe. A perfectly hardy perennial standing any climate where the oak lives. Pkt.....5c

BALLOON VINE (Love in a Puff)

A rapid growing, graceful climber. Thrives in light soil. Height 5 feet. Pkt.....5c

BALSAM APPLE AND PEAR

Very rapid and dense climbers, with golden-yellow fruit which opens when ripe, showing the seed and blood-red inside. Mixed. Pkt.....5c

CANARY BIRD FLOWER

A rapid growing, delicate vine with clean, handsome foliage and an abundance of canary-yellow blossoms, somewhat resembling a bird with half extended wings. An excellent climber for shady places. Pkt.....5c

MORNING GLORY or CONVOLVULUS

The well known kind. Mixed colors. Pkt.....5c

Japanese Giant. The mammoth flowers of this vine run from 4 to 6 inches across and are marked with most beautiful colors and shadings. The vines are strong and robust, growing from 30 to 50 feet high during the season. Pkt.....5c

CLIMBING NASTURTIUM

Ideal ramblers that readily climb fences or wire netting. They are also very showy planted at the top of a steep slope, or simply trailing on the level ground. They endure hot, dry weather very well and bloom continually till frost. Foliage clean and refreshing. These blooms are larger and the stems longer than the Dwarf Nasturtiums. Mixed. Per oz 10c; pkt. 5c

King Theodore. Rich, deep crimson; dark leaves. Pkt.....5c

Edward Otto. Brownish lilac. Pkt.....5c

Jupiter. Rich golden yellow. Pkt.....5c

Mme. Gunther's Hybrids. Striped or blotched with shades of red, yellow and orange. Pkt.....5c

Pearl. (Moonlight.) Whitish. Pkt.....5c

Scarlet. Bright glowing red. Pkt.....5c

Vesuvius. Bright salmon rose. Pkt.....5c

DWARF NASTURTIUM

See page 66.

PASSION FLOWER

One of the best summer vines for general growing. The beautiful blue flowers somewhat resemble a water lily in shape. Pkt.

.....5c

WILD CUCUMBER

A very rapid climber, often growing 30 feet in one season. It is covered with clusters of white sweet-scented flowers, followed by ornamental prickly seed pods. It is fine to cover a trellis, old tree or unsightly building, and will sow itself after the first year. Ounce, 15c; pkt.....5c

COBAEA

A beautiful, rapid growing climber, with large purplish, bell-shaped flowers; plant the seed edgewise, and cover lightly. Pkt.....5c

CARDINAL CLIMBER

We consider this a most beautiful, brilliant and distinct annual climber and rapid grower, attaining a height of 20 feet or more with beautiful deeply cut leaves not unlike some of the Japanese Maples, and is literally covered with a blaze of circular, fiery, cardinal red flowers from mid July to frost. The flowers are about half an inch in diameter and are borne in clusters of from 5 to 7 blooms each. Should be planted in a warm, sunny situation on good soil. Pkt.....10c

CYPRESS VINE

A beautiful climber, with a profusion of scarlet or white star-shaped blossoms and finely cut foliage, adapted to ornamental work. Pkt.....5c

DOLICHOS (Hyacinth Bean)

Splendid climber, producing abundant clusters of pea-like purple and white flowers, followed by ornamental seed pods. 10 to 20 feet. Pkt.....5c

GOURDS

These are desirable for many places where an immense amount of vine is wanted quickly. Most sorts grow 20 to 30 feet in a season.

Dish Rag. Many ladies prefer a dish cloth made of sponge-like lining of this gourd to anything else, as it is always sweet and clean as long as any part of it is left. Pkt.....5c

Sugar Trough. This gourd grows large, holding from 3 to 5 gal. Very hard shell. Pkt.....5c

Nest Egg. Resembling the eggs of hens; are uninjured by the cold or wet, therefore make the best nest eggs. Pkt.....5c

Pear Shaped. Striped yellow and green. Pkt. 5c

Mixed Gourds. All of the above. Pkt.....5c

HUMULUS (Japanese Hop)

A rapid growing climber of easy culture, leaves variegated. Sows itself after first year. Pkt.....5c

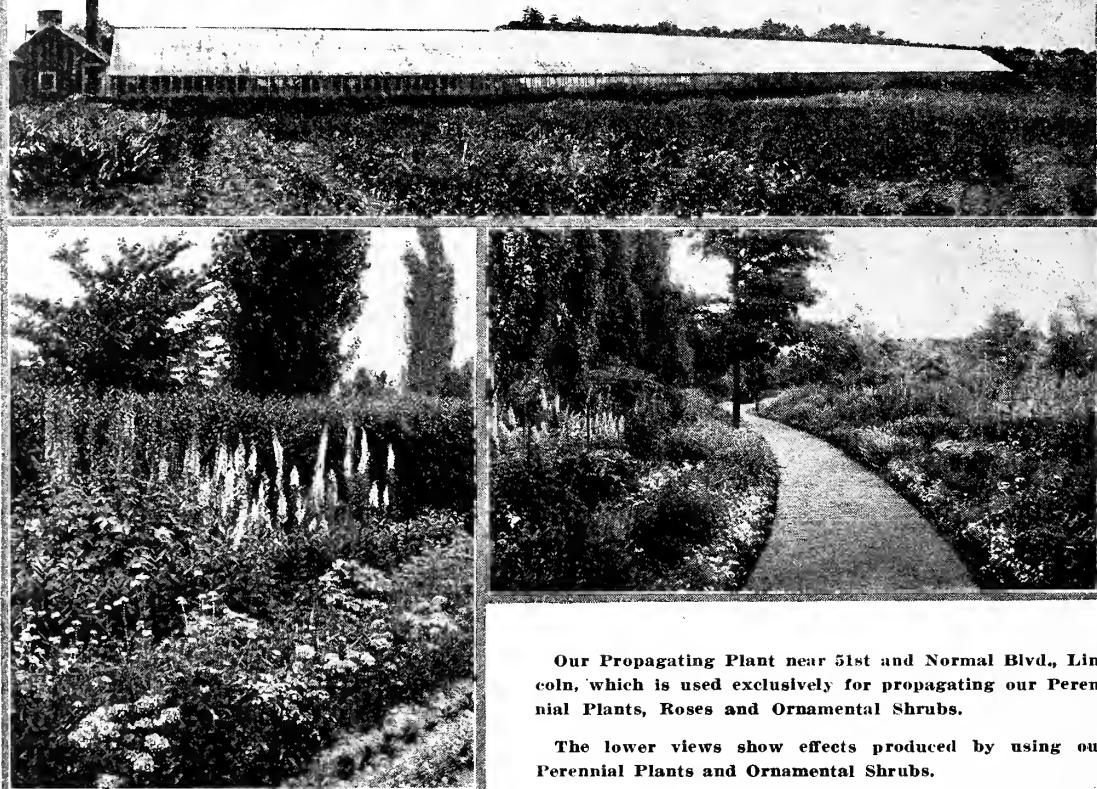
MOON FLOWER (Ipomea Notiflora)

One of the most vigorous climbers. Will grow 30 feet; its large white flowers open evenings and cloudy days. The hard outer coat of the seed should be cut through with a knife, and planted in warm, rich ground. Keep the soil moist. Pkt.



COBEA

PERENNIAL SEEDS AND PLANTS



Our Propagating Plant near 51st and Normal Blvd., Lincoln, which is used exclusively for propagating our Perennial Plants, Roses and Ornamental Shrubs.

The lower views show effects produced by using our Perennial Plants and Ornamental Shrubs.

The spirited and perpetual charm has won for them wide and intense enthusiasm. While natural and restful in general effect, their beauty is ever varying and ever appearing, for flowers may be found in them throughout the season—something of new interest each day. Inspiration for the best work of recent years has come from gardens planted long ago. We have seen them grow into richer, fuller and mellower beauty instead of fading with time, and how colonies of old garden favorites sometimes outlive, on the same spot, three generations of owners. Thus we are learning to take the finer, more enduring old gardens for our models, welcoming back to our borders the drifts of Snow-pinks, gay Peonies, and Hollyhocks, sweet-breathed Day Lilies, brilliant Poppies, the Phloxes, Iris and all the year's train of the old-time Hardy flowers. We offer a very complete list of seeds and plants of these beautiful Hardy Flowers. We will make this list more complete and also add the newer varieties as they are originated.

As we maintain an information bureau in regard to flowers both annual and perennial as well as shrubs and trees, we invite our customers to write us in regard to any information they may desire concerning perennial plants and flowers.

Prices of seeds and plants quoted in the following pages are postpaid.

SHIPMENTS. Prices on all Perennials are postage prepaid any place in the United States; however, on large shipments we recommend express because the plants will arrive in better condition. If you wish them sent by express be sure and signify and we will put in extra plants to cover the express. We guarantee safe arrival of all plants. In case there is anything wrong with your order let us know by return mail.

COLLECTIONS. In order to encourage our customers to become more acquainted with Perennial Flowers we have made three collections below and would suggest that you try one of them. These are our own selections and we cannot substitute.

PERENNIAL COLLECTION

NO. 1. \$1.00

- 1 Delphinium
- 1 Oriental Poppy
- 1 Sweet William
- 1 Dianthus
- 1 Shasta Daisy
- 1 Hibiscus
- 2 Columbine

PERENNIAL COLLECTION

NO. 2. \$2.00

- 2 Perennial Peas
- 1 Oriental Poppy
- 2 Hibiscus
- 1 Anchusa
- 1 Digitalis
- 1 Canterbury Bell
- 2 Platycodon
- 2 Hardy Asters
- 1 Yucca
- 1 Tritoma
- 1 Funkia
- 1 Hemerocallis

PERENNIAL COLLECTION No. 3. \$3.00

- 3 Peonies
- 3 Iris
- 2 Delphinium
- 2 Rudbeckia
- 1 Coreopsis
- 2 Oriental Poppy
- 2 Sweet William
- 2 Dianthus
- 1 Anemones
- 2 Shasta Daisy
- 3 Hibiscus
- 1 Anchusa
- 2 Columbine



AQUILEGIA

ANCHUSA (Alkanet, Buglos)

For producing a mass effect of brilliant blue, the Anchusas cannot be surpassed. The rich blue tones of their flowers fill a vacancy in this color, of which there is never a superabundance, particularly during their flowering period, which covers the months of May and June. They form much-branched specimens 3 to 6 feet high, each branch terminated by a large, pyramidal, graceful spike of blue flowers, and while the habit of the plant is strong and vigorous it is not at all coarse. Of easy culture, and may be used with good effect either in masses or in the hardy border.

Italica. (Dropmore Variety.) 4-6 feet. Rich gentian blue. Plants, 25c each.

Opal. (New.) 3-4 feet. Very beautiful variety, producing a solid sheet of turquoise-blue. Plants, 25c each.

Myosotiflora. 1 foot. April-June. A very beautiful and distinct, new species from Russia, with clusters of charming blue flowers resembling forget-me-nots. Plants, 50c each.

ANEMONES (Wind Flower)

Very pleasing plants for herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.

Coronaria. (Poppy Anemone.) 10 inches. June. Mixed colors. Seed pkt., 5c.

ACHILLEA (Yarrow, Milfoil)

Free flowering plants of easy culture, well adapted for the mixed hardy border. The Achilleas are very hardy, and give a wealth of bloom the entire summer.

Ageratum. June-August. Yellow, very fragrant flowers. Seed pkt., 5c plants, 10c each.

Boule de Neige. (Ball of Snow.) 2 feet. June-August. An improvement on The Pearl; the flowers being of more perfect form with fuller centers. Plants, 20c each.

Millefolea Rosea. 2 feet. June-July. Large umbels of bright rose-colored flowers. Plants, 15c each.

Ptarmica. fl. p. (The Pearl.) 2 feet. June-August. Pure white flowers borne in greatest profusion the whole summer on strong, erect stems, and of great value as a cut flower. Seed pkt., 5c; plants, 15c each.

ACONITUM (Monkshood)

Handsome herbaceous plants, with bold spikes of hood-shaped flowers, thriving in either shade or sun. The roots are poisonous and should not be planted where the tubers might be mistaken for vegetables.

Napellus. 2½ ft. Aug.-Sept. Rich dark blue flowers. Seed pkt., 5c; plants, 25c each.

Wilsonii. 6 ft. A new variety from China, with fine spikes of deep blue flowers. Seed pkt., 10c; plants, 25c each.

ADLUMIA (Mountain Fringe, or Allegheny Vine)

15 feet. Very desirable for its feathery foliage, which resembles the Maidenhair Fern. Delicate rose pink and white cover the plant the second year. Desirable for shade. Seed pkt., 5c.

AGROSTEMMA (Rose of Heaven, or Mullein Pink)

Coronaria. 1-2 ft. June-Sept. Flowers growing pink, coming in loose panicles of phlox-like blossoms. Fine for cutting. Seed pkt., 5c; plants, 10c each.

Flos Jovis. Deep pink flowers on 12-inch stems. Plants, 15c each.

ALYSSUM (Madwort)

Saxatile Compactum. (Basket of Gold.) 1 foot. May-June. Greatly prized for its masses of brilliant golden yellow flowers. Seed pkt., 5c; plants 15c each.

Silver Queen. Beautiful pale lemon blossoms. Plants, 15c each.

St. Brigid's Strain. 1 foot. May-June. Double and single mixed. A beautiful selection of the Coronaria varieties in a wonderful array of colors. Plants, 15c each.

Pulsatilla. 10 inches. May. Flowers violet or purple. An interesting plant for the rockery or well-drained border. Plants, 15c each.

Sylvestris. (Snow Anemone.) Large cup-shaped, pure white flowers, on clean stems, held well above the neat, handsome foliage. Plants, 15c each.

AQUILEGIA (Columbine)

The Columbines are one of the most elegant and beautiful of the hardy plants, producing their graceful spurred flowers on stems rising 2 feet or more above the beautifully divided foliage. They should be planted freely as there is no plant that will add so airy a grace to your gardens and borders as the Columbine. They thrive in any well-drained soil; in either sun or half shade. The varieties we offer are the latest and best of this favorite, old-fashioned garden flower.

Canadensis. Handsome scarlet and orange flowers. Plants, 15c each.

Crysanth. 3 feet. Bright yellow, long-spirred flowers. Plants, 15c each.

Grandiflora Alba. Large flowering, pure white, long spurs. Plants, 15c each.

COLUMBINE—Continued

Coerulea. (Rocky Mountain Columbine) 3 feet. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Plants, 15c each.

Skinncri. (Mexican Columbine.) Large scarlet and yellow flowers. Plants, 15c each.

Long-Spirred English Hybrids. The choicest flowers in the greatest profusion of delicate colorings. Plants, 15c each.

Nevea Grandiflora. Large pure white. Plants, 15c each.

Vulgaris Alba Plena. Double white flowers. Plants, 15c each.

Single Mixed. Many shades and colors. Seed pkt., 5c; plants 15c each; large clumps, 35c. One plant each of the 8 sorts for \$1.00.

ANTHEMIS (Hardy Marguerite)

Tinctoria. 2 feet. Handsome, finely cut foliage, and large, golden-yellow, daisy-like flowers. Plants, 15c each.

Kelwayi. 18 inches. A paler variety of the above. Plants, 15c each.

ARTEMISIA LACTIFLORA

5 feet. Sept.-Oct. This new plant is a great acquisition for the herbaceous border or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. The plant is very fragrant. Seed pkt., 10c; plants, 20c each.

ASTER (Michaelmas Daisies)

Michaelmas Daisies now fill a most important place in all hardy flower gardens, lighting up the shrubberies and borders with their masses and clouds of a dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce. To cut for vases or church decoration they are invaluable, providing as they do, an inexhaustible supply of bloom.

A. Bessarabicus. 2 ft. Very deep blue. Plants, 15c each.

A. Grandiflorus. 2 ft. Single blue and pink flowers of great size. Plants, 20c each.

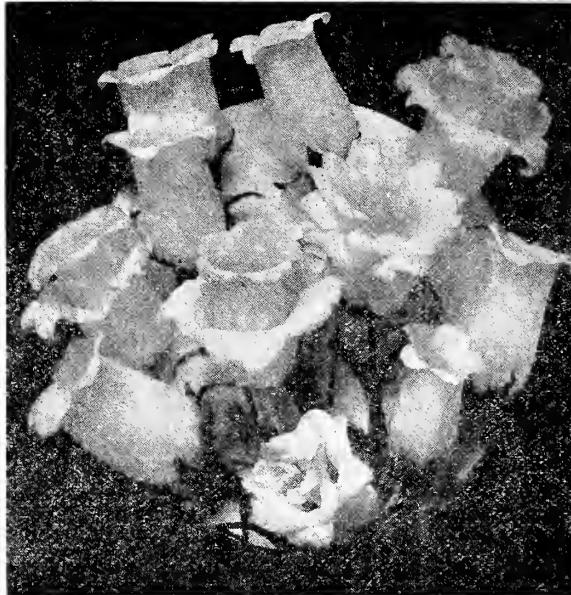
Ptarmicoids. 1½ ft. Distinct, pure white flowers. Plants, 15c each.

Townshendii. 2 feet. Lilac-pink flowers, about 2½ in. across; free-flowering. Plants, 15c each.

Mixed varieties in the finest array of sizes and colors. Seed pkt., 5c; plants, 15c each; extra large clumps, 35c; collection of 4 varieties, 50c.

BELLIS PERENNIS (Double English Daisy)

April-June. 6 to 8 in. Greatly improved varieties of the Popular Double Daisy. Admirably adapted for edges, borders and low beds and also well suited for growing in pots.

**CAMPANULA**

Mammoth Double White. Plants, 10c each.

Mammoth Double Pink. Plants, 10c each.

Longfellow Double Pink. Plants, 10c each.

Montrosa. The new (Double) Daisy surpasses all of the strains of the popular hardy plants in strong, robust growth and abundance of large bloom. Each plant produces 12 to 15 flowers on long, strong stems that measure from 2 to 3 inches. The flowers are so very double they produce but little seed. We can furnish these in Pink and White. Plants, 15c each.

Mixed Hybrids. Seed pkt., 5c; plants, 10c each.

BOCCONIA CORDATA (Plume Poppy)

4 to 6 feet. July-Sept. A handsome border plant having large, globular, heart-shaped leaves with silvery undersurface and flower plumes of pretty cream color. Seed pkt., 5c; plants, 15c each.

BOLTONIA (Falc Camomile)

4 to 6 ft. One of the showiest of our native hardy perennials, with daisy-like flowers in countless thousands in July to September. Very effective.

Asteroides. White. Plants, 15c each.

Latisquama. Pink tinged with lilac. Plants 15c.

CAMPANULA (Bell Flower)

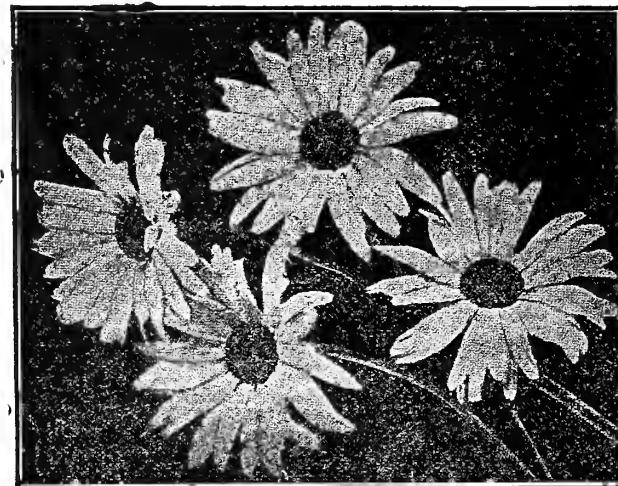
Bell-shaped flowers well-known and most easily grown. Equally useful for flower borders, shrubs or wild garden.

Calycanthema. (Cup and Saucer, or Canterbury Bells.) This is unquestionably the finest type of this old favorite and much-prized garden plant. They differ from the ordinary type in having an extra large calyx which is of the same color as the flower, giving it the appearance of a cup and saucer. We furnish these in separate colors as well as in mixed. Rose, Pink, Blue and White. Seed pkt., 5c; plants, 15c each.

Medium. (Original Canterbury Bells.) The old-fashioned sort, with beautiful bell-shaped blossoms. We offer in four different colors or mixed. Dark Blue, Light Blue, Rose and White.

Mixed. Seed pkt., 5c; plants, 10c each.

Persicifolia Grandiflora. (Peach Bell.) Undoubtedly one of the finest bell flowers. Grows from 2 to 3 feet high. Large blue flowers. Plants, 15c each.



DAISY, GIANT SHASTA

CARNATION

Popular favorites, which are deliciously fragrant; colors extremely rich and beautiful, if protected will live out over winter.

Margaret. Dwarf habit, blooms in a few months from seed. Mixed. Seed pkt., 5c.

Red Grenadin. For yielding a quantity of double red flowers there is no outdoor carnation that can equal it. Seed pkt., 5c.

White Grenadin. Of good form and substance. Like the above except color. Seed pkt., 5c.

Extra Choice Mixed. Pkt. 5c.

Mixed Plants, 15c each.

CENTAUREA (Hard Heads or Knap Weed)

July until August. Of easy culture and delighting in an open, sunny position, producing a wealth of bloom which not only makes a fine display in borders but is excellent for cutting.

Candidissima. (Dusty Miller.) 10 ins. Silver foliage; useful for bedding. Plants, 15c each.

Montana. (Perennial Corn Flower.) 2 ft. Large violet blue flowers. Plants, 15c each.

Alba. Large white variety of the above, very showy. Plants, 15c each.

Pulcherrima. 3 ft. Rosy pink flowers in great abundance. Finest of the Centaureas. Plants, 25c each.

CHrysanthemum MAXIMA (Moon Penny Daisy)

2 to 3 ft. June until Oct. The Moon Penny Daisy is one of the most satisfactory of hardy perennials as it has a wealth of bloom the entire summer, and is unsurpassed for cut flowers and decorations.

King Edward VII. One of the finest of all, with flowers of extraordinary size, perfectly formed and exceedingly free flowering. A splendid addition to these hardy perennials. Plants, 15c.

C. Lothian Bell. Largest of all of the Maximum Hybrids. Plants, 15c each.

Leucanthemum. Very pretty, clear white flowers with ox eye. Plants, 15c each.

Pinnatifidum. (Common Wild Daisy.) This is the common wild daisy that we have growing about our pastures and roads but can be easily naturalized for use in the perennial gardens. These are the most hardy of the daisy family. Strong plants. Plants, 15c each.

Giant Shasta. This is the largest of the Moon Penny family and was originated by Burbank, who experimented extensively with this flower. Seed pkt., 5c; plants, 15c; large clumps, 25c.

OLD-FASHIONED LARGE FLOWERING HARDY CHrysanthemum

We offer five fine large flowering varieties which have proven absolutely hardy in this latitude, having withstood the severe winters of 1911 and 1915 without injury.



COREOPSIS

Autumn Glow. Rosy crimson. Plants, 15c each.

Golden Queen. Yellow. Plants 15c each.

Old Homestead. Pink. Plants, 15c each.

Victory. White. Plants, 15c each.

Indian Red. Plants, 15c each.

Mixed seed, pkt., 5c.

CLEMATIS (Shrubby)

Davidiana. 2 to 3 ft. Very desirable variety with fresh bright green foliage and tubular bell-shaped flowers of deep lavender blue during August and September. Deliciously fragrant. Plants, 15c each.

Recta. 4 ft. One of the best hardy perennials; produces handsome, pure white flowers in large, showy clusters during June and July. Very effective in clumps. Plants, 25c each.

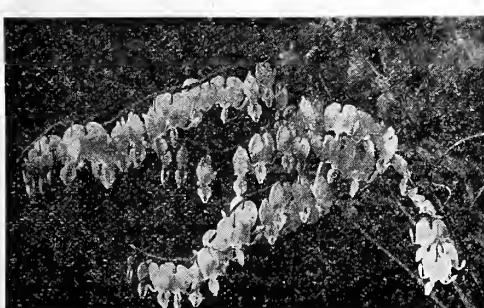
COREOPSIS

Lanceolata Grandiflora. 2 to 3 ft. One of the most popular hardy plants. The flowers are a rich golden yellow and of graceful form and invaluable for cutting. The main crop comes during the latter part of June but continues in bloom the entire summer and autumn. Will succeed in any soil. Seed pkt., 5c; plants, 15c each.

Rosea. 1 ft. Finely-divided dark green foliage bearing in August and September numerous small pink flowers. Very useful in the hardy border. Plants, 20c each.

DICENTRA SPECTABILIS (Bleeding Heart)

An old-fashioned favorite; its long racemes of graceful heart-shaped flowers are always attractive and is always at home in any part of the hardy border, and especially valuable for planting in the shade. Our stock of this perennial is the finest we have seen. Plants, 15c each; extra large clumps, 25c.



BLEEDING HEART



DELPHINIUM (Above)

FEVERFEW (Below)

ers of neat creeping habit. **Plants, 15c each.**

Semperflorens. (Everblooming Garden Pinks.) 15 ins. Very beautiful sweet-scented, double, semi-double and single flowers in great diversity of color. **Plants, each 15c.**

Cyclops. (Clove Pinks.) 12 to 18 ins. An exquisite mixture of colors, large free flowering. **Plants, 15c each.**

Mixed Colors. **Seed pkt., 5c; extra large clumps, 25c each.**

DIANTHUS BARBATUS (Sweet William)

The varieties we offer are an improvement on the old-fashioned kinds, inasmuch as the colors and size of the flowers are very superior, being grown from select seed. Sweet William looks well in solid beds or masses and requires a good, rich, well fertilized soil to grow them to perfection. Excellent border plants and fine for cutting.

Double White. **Plants, 15c each.**

Double Blood Red. **Plants, 15c each.**

Single Varieties. **Plants, 15c each.**

Diadematus. One of the prettiest, flowers rose, spotted and speckled with white. **Plants, 15c each.**

Roseus. (Pink Beauty.) Flowers pink. **Plants, 15c each.**

Atrosanguineus. Blood red. Very fine. **Plants, 15c each.**

Albus. Pure white. **Plants, 15c each.**

Johnson's Giant. The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. **Plant, 15c each.**

Nigrescens. The very darkest sort that we know of. **Plants, 15c each.**

We have a very fine mixture of seed saved from the above named sorts. **Pkt., 5c.**

DELPHINIUM (Hardy Larkspur)

Few flowers are so handsome as the perennial Larkspur, which supplies our gardens with a wealth of blue that would be sadly lacking if it were not for these magnificent plants. No other flower combines so many varied shades of this lovely color, which is always the rarest in the garden. The soft azure of the For-Get-Me-Not, the rich blue of the Gentian, the deep Sapphire and royal purple hues, are all represented and form a brilliant setting for the small-, white-, gold- or black centered petals, while over all is suffused a beautiful rose fringe impossible to describe. There are many species in cultivation, but the most desirable are the tall hybrids, of which we hold a large and up-to-date assortment, including the very newest.

Formosum. Beautiful spikes of blue flowers with white centers. **Plants, 15c each.**

Coelestium. Exquisite celestial blue with white centers. A most beautiful variety. **Plants, 15c each.**

Chinense. (Chinese.) 2 ft. Pure blue in branching dwarf spikes. **Plants, 15c each.**

Album. 2 ft. Pure white. **Plants, 15c each.**

Indigo. (New.) 4 ft. Pure Indigo blue. **Plants, 25c each.**

Elatum. (Bee Larkspur.) 3 to 5 ft. **Plants, 25c each.**

Belladonna. (Everblooming Hardy Larkspur.) This is the freest and most continuous bloomer of the hardy Larkspurs. The color—turquoise blue—of its flowers is not equaled for delicacy and beauty. A really exquisite variety. **Plants, 25c each.**



SWEET WILLIAM

Formosum. Beautiful spikes of blue flowers with white centers. **Plants, 15c each.**

Coelestium. Exquisite celestial blue with white centers. A most beautiful variety. **Plants, 15c each.**

Chinense. (Chinese.) 2 ft. Pure blue in branching dwarf spikes. **Plants, 15c each.**

Album. 2 ft. Pure white. **Plants, 15c each.**

Indigo. (New.) 4 ft. Pure Indigo blue. **Plants, 25c each.**

Elatum. (Bee Larkspur.) 3 to 5 ft. **Plants, 25c each.**

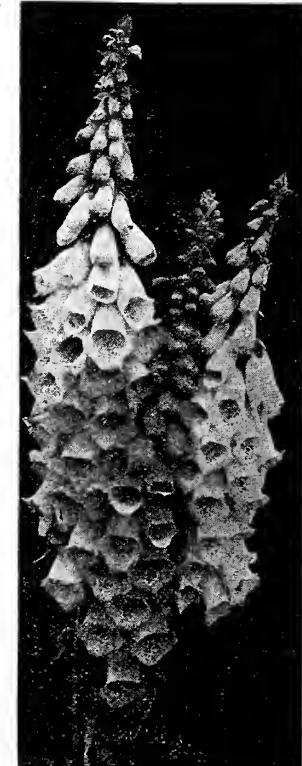
Belladonna. (Everblooming Hardy Larkspur.) This is the freest and most continuous bloomer of the hardy Larkspurs. The color—turquoise blue—of its flowers is not equaled for delicacy and beauty. A really exquisite variety. **Plants, 25c each.**

DIANTHUS or PINKS

A magnificent genus representing some of the most popular flowers in cultivation, producing a great variety of brilliant color and profusion of bloom.

Plumarius. (Grass Pink, or Pheasant-eye Pink.) 12 ins. A beautiful single hardy pink with fringed white flowers and dark centers. **Seed pkt., 5c; plants, 15c each.**

Deltoides. (Maiden Pink.) 9 ins. Masses of small deep rose flow-



DIGITALIS

DICTAMNUS (Gas Plant)

A very showy border perennial about 2½ ft. in height, bearing fragrant spikes of curious flowers during June and July, giving off on warm, sultry evenings, a fragrant volatile oil which ignites when a match is applied to the stem directly under the flower. They require a heavy, strong soil and open, sunny situation. It is not desirable to transplant them often, as they improve with age, it being one of the most permanent features of the hardy herbaceous border. Instances are known where this plant has outlived father, son and grandson in the same spot.

Fraxinella. 3 ft. Showy rosy-pink flowers, with deeper rings. Plants, 15c each.

Alba. Pure white. Plants, 15c each.

Caucasicus. A gigantic form, which has recently been brought from Russia with flowers twice the size of the type. Plants, 25c each.

DIGITALIS (Fox Gloves)

A handsome and highly ornamental plant of stately growth, succeeding under almost all conditions and with but little attention will give a wealth of flowers during June and July. They require protection in winter. We furnish them in Purple, Rose, White, and Yellow. Plants, 15c each.

Mixed Varieties. Seed pkt., 5c; extra large clumps, 25c.

FEVERFEW

(See Matricaria.)

FUNKIA (Blue and White Day Lily)

These handsome, hardy, herbaceous plants develop their ornamental foliage early in the spring, and in the summer and autumn throw up a profusion of lily-like flower spikes that succeed either in sun or shade, but the foliage



FUNKIE ALBA

will grow to larger size in partial shade. They are very effective in formal border. We offer a very fine collection.

Cucullata Medio Picta. 4 ft. August. Rich purple flowers. Plants, 20c each.

Fortunei. 12 ins. August. Glaucean blue foliage, flowers pale mauve. Plants, 20c each.

Lanceolata. 12 ins. Sept. Valuable for its lila-blue flowers. Plants, 15c each.

Subcordata Grandiflora Alba. Large spikes of new white fragrant flowers. Plants, 15c each.

Sir Thomas Hogg. 12 ins. With large foliage elegantly margined white. Plants, 25c each.

Undulata Medio Variegata. 12 ins. Silvery white, lined green. A very ornamental foliage plant. Plants, 25c each.

GAILLARDI (Blanket Flower)

2 ft. June to Oct. The flowers are often 4 to 5 inches across, colored in a great diversity of varieties and blendings, including such combinations as scarlet with gold edge, blood red with yellow edge, yellow with orange disk, golden with scarlet border, pure yellow, fiery-erimmon and others. These hardy perennials are of compact growth and produce a succession of flowers all summer and fall. For cut flowers they will last in water for days.

Maxima Kermesina Splendens. Center crimson, with canary yellow border. Plants, each 15c.

Sulphurea Oculata. Pale yellow with maroon eye. Plants, 15c each.

Semiplena. Double row of petals, yellow with red centers. Plants, 15c each.

Newest Hybrids Mixed. Including the finest of these choice flowers. Seed pkt., 5c; plants, 15c each.

ALWAYS GOOD

Taylor Co., Ia., Mar. 3, 1915.

Dear Sirs:—Just received the seeds I sent for a few days ago. They came in fine condition. I have used your seeds for nine years and will say they are the best growing and largest packages of any I have ever used.

Yours truly,
MRS. LUCY CARLSON.



GAILLARDIA GRANDIFLORA



HOLLYHOCK

HIBISCUS (Rose Mallows)

3 to 5 ft. July to Sept. Noble shrub-like plants with handsome green foliage and bearing throughout the summer large, bright flowers varying from 4 to 9 ins. in diameter. They are very hardy and suitable for background effects.

Crimson Eye. Creamy white flowers with large crimson center. **Plants, 15c each.**

Golden Bowl. Deep crimson with a velvety maroon center. These flowers many times are 9 ins. in diameter. **Seed pkt., 5c; plants, 15c each.**

Moscheutos. (Rose Mallow.) Very showy rose-pink flowers. **Seed pkt., 5c; plants, 15c each.**

Mallow Marvels. Come in Red, White and Pink Mixed. Flowers immense size. **Plants, 20c each.**

HOLLYHOCK

6 to 8 ft. Aug.-Sept. One of the most majestic of hardy plants, and a clump or line in any garden gives an effect not attainable with any other plant. For planting among shrubs or forming a background for other flowers it is without equal. Seed sown any time before mid-summer will produce plants that will bloom the following year; but to get immediate results the first year it will be necessary to get year-old plants. We offer a very choice collection in both the seed and plants.

Double Varieties. White, Crimson, Dr. Faust (Black), Salmon, Deep Rose, Blood Red, Yellow, White with Pink Center. **Seed pkt., 5c; plants, 15c each.**

Double Mixed. (Charles Superb.) **Seed pkt., 5c.**

Single Varieties Mixed. **Seed pkt., 5c; plants, 15c each.**

Allegheny Mixed. **Seed pkt., 5c; plants, 15c each.**

See **Solidago.**

GOLDEN ROD**GYPSOPHILA** (Baby's Breath)

Graceful for hedges and border work.

Paniculata. 2 ft. July-August. Small flowers on branched stems so thick as to give the plant a lace-like effect. **Seed pkt., 5c; plants, 15c each.**

HELENIUM (Sneezewort)

The varieties we offer are excellent for border plants and succeed in any soil, producing great clusters of broad, spreading panicles and useful for cutting, having a very long blooming season.

Riverton Beauty. 4 ft. Rich lemon yellow with large purplish-black cone from August to September. **Plants, each 15c.**

Riverton Gem. 4 ft. Old gold, changing to wall flower red. **Plants, 20c each.**

Hoopesii. 2 ft. May-July. Rich golden yellow. **Plants, 15c each.**

HEMEROCALLIS (Yellow Day Lily)

These popular hardy plants belong to the lily family. They succeed everywhere, and should always be included in the border of old-fashioned hardy flowers.

Aurantiaca. Orange lily. **Plants, each 25c.**

Citrina. Pale citron-yellow flowers. **Plants, 35c each.**

Dr. Regel. Broad-petaled rich orange flowers. **Plants, 30c each.**

Flava. Pleasing pale yellow. **Plants, 15c each.**

Fulva. Showy coppery red. **Plants, 15c each.**

Kanso. fl. pl. Beautiful double orange flowers. **Plants, 15c each.**

Sovereign. Clear yellow, outside shaded chocolate. **Plants, 25c each.**

HESPERIS (Sweet Rocket)

1½ ft. Sometimes called Dame's Violet. Producing clusters of pink and white four-petaled flowers which are very fragrant during the evening. **Seed pkt., 5c; plants, 15c each.**



HIBISCUS

IRIS

These flowers have been overlooked. They are perfectly hardy and exceedingly beautiful, multiplying with great rapidity. Put the Iris in a sunny place where, if possible, they will have some building or a hedge to protect them from the wind, ground should be rich, and well supplied with water. Spade the earth deep and plant the roots 18 inches apart, covering them 2 inches. Cultivate well.

Cream. A fine cream color.

Florentina Blue. Very pale blue.

Khedive. Clouded lavender veined at the base. Inner petals light lavender, flecked with white.

Madam Chereau. White, elegantly frilled with border of pale blue.

Queen of May. A lovely shade of rosy pink, tinted with violet.

Sans Souci. Standards golden yellow, falls rich mahogany brown; very effective.

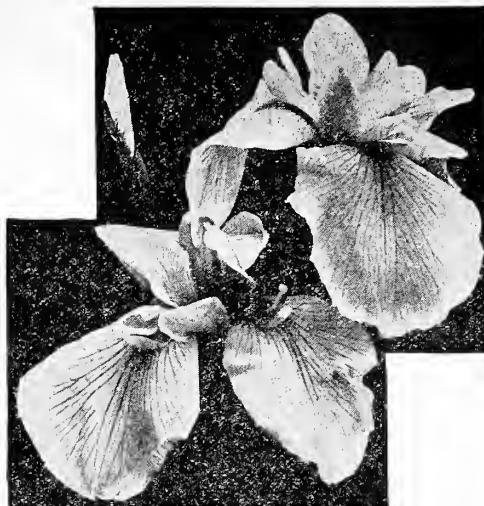
Siberian bluc. Probably the finest blue flower on earth. The stems are long and as the flowers last a long time in water, they are excellent for cutting.

Florentina Alba. Porcelain, changing to pure white.

German Iris. The Iris so commonly seen. Often called Flags. Blooms in great profusion during June and July.

Price of above Iris, 15c each; 6 for 75c.

Japanese Iris. (*Iris Kaempferi*.) These magnificent Iris are among the most beautiful of our summer-flowering plants, and are destined to become more popular every season. They bloom from June till the middle of July. The flowers rival the Orchids, some measuring 10 to 12 inches in diameter. 12c each; 3 for 30c.



JAPANESE IRIS

LATHRYUS (Hardy Sweet Pea)

Showy free-flowering Hardy Perennial Climber for covering old stumps, fences, etc. Continually in bloom. Very fine for cutting.

Latifolius Albus. White. Plants, 15c each.

Pink Beauty. Plants, 15c each.

Rubra. Bright rosy crimson. Plants, 15c each.

White Pearl. (New.) Large sprays of the purest white flowers. Plants, 25c each.

LINUM (Perenne)

Pearly blue flowers. A graceful hardy perennial. Plants, 15c each.

Album. Milk white flowers, very decorative. Plants, 15c each.

LOBELIA (Cardinal Flower)

2 ft. July to October.

Cardinalis. Rich fiery cardinal flowers; strong plants, often producing 10 to 18 spikes, 24 to 30 inches long. Plants, 15c each.

Syphilitica. A choice selection of our native Lobelia, producing dense spikes of rich blue flowers. Plants, 15c each.

LUPINUS (Lupine)

Most beautiful hardy border plants, producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.

Polyphyllus. 3 ft. Stately spikes of blue flowers all summer. Plants, 15c each.

Albus. Large, pure white spikes. Plants, 25c each.

Roseus. 4 ft. Light and dark rose flowers on long spikes. Plants, 25c each.

Mixed. Seed pkt., 5c.

LYCHNIS (Burning Star)

Rose Campion. Handsome hardy perennial plants of easy culture for massing in beds and borders; bloom the first year if sown very early.

Chalcedonica. (Jerusalem Cross.) 2 1/2 ft. Brilliant scarlet in dense, flat heads. Seed pkt., 5c; plants, 15c each.

Alba. (White Campion.) Flowers pearly white. Plants, 15c each.

Rubra Plena. A double form of the above producing immense heads of vermillion scarlet flowers far exceeding in brilliancy the brightest geraniums. A gem for cutting and one of the showiest border plants. Plants, 25c each.



LATHYRUS, LATIFOLIUS

MATRICARIA (Feverfew)

Little Gem. 1½ to 2 ft. A most useful summer cutting flower with very double white flowers from June to October. Seed pkt., 5c; plants, 15c each.

MYOSOTIS (Forget-Me-Not)

It flourishes best in a moist, shady situation. Bright blue. Seed pkt., 5c; plants, 15c each.

PENSTEMON

Most useful showy perennial either for border or clumps.

Barbatus Torreyei. 3 to 4 ft. June to August. Spikes of brilliant scarlet flowers. Plants, 15c each.

Digitalis. 2 to 3 ft. Large spikes of pure white flowers with purple throats. Blooms during June and July. Plants, 15c each.

Ovatus. 2 ft. July to Sept. Bright blue shaded bronzy-purple. Plants, 15c each.

Pubescens. 1½ ft. July and August. Bright rosy-purple. Plants, 15c each.

PINKS

See *Dianthus*.

PLATYCODON (Balloon Flower, or Japanese Bell-flower)

One of the best hardy perennials producing very showy flowers during the whole season. They form large clumps and are excellent for planting in permanent borders or among shrubbery. They are also free from attacks of insects, which makes them very desirable hardy garden plants. They should be given a slight protection of leaves or mulch during the winter.

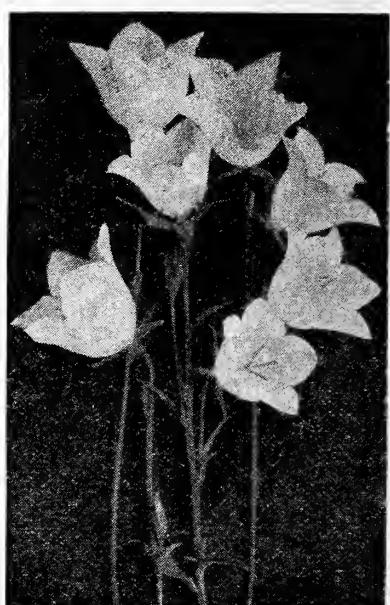
Grandiflorum. 2 to 3 ft. Large, handsome, deep blue flowers. Seed pkt., 5c; plants, 15c each.

Grandiflorum Album. Large pure white flowers, very attractive. Plants, 15c each.

Double Blue and Double White. These two varieties are among the newest acquisitions of the perennial border. Plants, 25c each.

POLEMONIUM

(Jacob's Ladder)
The fine old Jacob's Ladder which takes its name from the regular arrangement of Pinnate leaflets upon the stem. Even without the large-lobed, bell-shaped flowers of pale



PYRETHRUM

blue, the plant would be worth growing for its foliage. Seed pkt., 5c.

PYRETHRUM

One of the most valuable of our summer flowers. It has charming shades of color and wonderful lasting properties as a cut flower. They flower in May and June and frequently in August and September. The second time the colors run into almost every shade, which makes them foremost plants in this particular season.

Uliginosum Stellatum. 3 to 4 ft. Very large giant daisy-like flowers in great profusion. The flowers are a glistening white with dark disk, and most excellent for cutting. Blooming from August to September. Plants, 20c each.

Double Mixed. Extra choice double flowering variety. Selected and grown from the finest hybrids. Plants, 25c each.

Single Mixed. Grown from a choice strain of seed from the originators of new varieties. Seed pkt., 10c; plants, 20c each.

PLATYCODON

PHLOX

Among hardy perennial plants no class is of more importance than the phloxes, succeeding in almost any soil and position, and flowering through a long season; and while they continue in good condition and flower freely for many seasons without any attention, yet they respond quickly to and are improved by liberal cultivation. They bloom from July to late in the autumn and produce most brilliant effects when massed. The varieties we offer we consider the choicest that can be had. We call special attention to some of the newest varieties which we have included in our list this year.

Athis. Clear salmon. Some claim this to be the showiest variety in cultivation. 15c each; postpaid.

Africa. Brilliant carmine-purple, dark blood red center, 25c each; postpaid.

Balzac. Bright lilac-rose with a large blood-red eye. 25c each; postpaid.

Bridesmaid. Tall white with large rose-crimson center. 15c each; postpaid.

Champ's Elysee. A bright rosy magenta; very effective. 15c each; postpaid.

Comte Ungerer Sternberg. White ground overlaid with carmine-rose; deep crimson eye; very large flowers, extra fine. 20c each; postpaid.

Eclaireur. Clear rosy-red, with lighter large center; large florets and a magnificent bedder. 15c each; postpaid.

Europa. A new variety. A very large, perfectly formed white flower with crimson-carmine eye; fine shaped trusses. 15c each; postpaid.

Jeanne d'Arc. Very late; white. 15c each; postpd.

Miss Lingard. Pearly white flower, with a very faint, pink eye; very remarkable bloomer, producing two or three crops of flowers during the season. 15c each; postpaid.

Richard Wallace. Pure white, with violet-rose eye; large flowers in immense panicles. Too much cannot be said of this variety. 15c each; postpaid.

In most of these varieties we can furnish extra large clumps for one-half more. Seeds mixed, plt. 5c.



PHLOX

Goliath. A new distinct variety of attractive appearance; is of gigantic growth producing large trusses with flowers of brilliant color with dark carmine-red center. A decided acquisition in flowers. Very early. 25c each; postpaid.

Gruppen Koenigin. Pure flesh color, rose with a carmine eye. 20c each; postpaid.

Gustave Nadud. Gray mode deepening toward the center; yellow eye. 25c each; postpaid.

LeMahdi. Metallic, plush violet; fine large trusses; individual flowers very large. 25c each; postpd.

Loki (new). Salmon-pink, dark carmine eye. 25c; postpaid.

POPPY (Oriental)

2 to 3 feet. For gorgeous coloring the Oriental Poppies have few rivals among the hardy plants. The flowers are immense and often measure 6 inches or more across. They are also grand cut in bud state for vases. We offer a fine collection in separate colors.

Beauty of Livermere. Crimson with black blotch. 25c each; postpaid.

Coliseum. Flowers 8 inches across; color rich satiny dark scarlet with a black spot at the base of each petal. 25c each; postpaid.

Blush Queen. Blush pink. 25c each; postpaid.

Mrs. Perry. A grand new variety with large pure satiny-white flowers having a bold crimson base. Extremely beautiful and rare. 25c each; postpaid.

Princess Victoria Louise. Salmon scarlet. 25c each; postpd.

Salmon Queen. Salmon yellow. 25c each; postpaid.

Rembrandt. Orange scarlet. 25c each; postpaid.

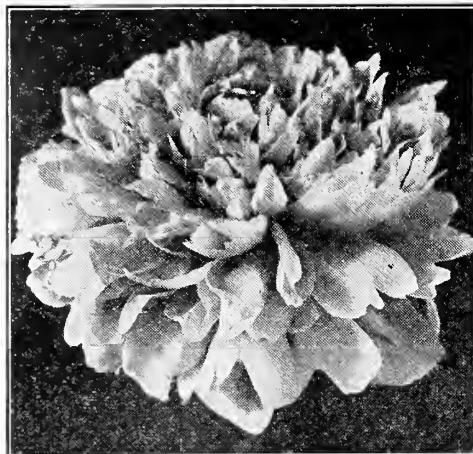
Dark Scarlet. 25c each; postpaid.

Mixed plants grown from the seed of the above named varieties which will produce very attractive hybrids we offer seed plt. 5c; plant 15c each; postpaid.

Iceland Poppy. Although hardy perennials these dwarf poppies bloom the first season from spring-sown seed. The fragrant, elegant crushed satin-like flowers are produced in never-ceasing succession from the beginning of June until October. They are very fine for cutting. These poppies are very nice treated as annuals, sowing the seed each spring. They need slight protection in order to winter them. We furnish plants in Yellow, White, Scarlet and Striped Flowers. Mixed seed, per plt. 5c. Plants 15c each; postpaid.



ORIENTAL POPPY



Asa Gray. Pale lilac sprinkled with minute dots of deeper lilac. A very distinct variety. \$1.00 each; postpaid.

Couronne d'Or. Large flat semi-rose type; pure white with rings of yellow stamens around the tuft of center petals tipped with carmine; medium tall, strong grower and free bloomer; late; one of the best. 50c each; postpaid.

Due d'Cazes. Dark pink with silver collar; very fragrant; spreading habit, free bloomer; early. 50c each; postpaid.

Due de Wellington. Large globular shape with white guards, sulphur center. Medium height and vigorous grower. 50c each; postpaid.

Duele Esse Nemours. Pure white crown with sulphur white color, very fragrant, vigorous grower, very free bloomer. Early, comes a day or two later than *Festiva Maxima*. Has a high commercial value. 35c each; postpaid.

Edulis Superba. Large flat crown, bright mauve-pink color mixed with narrow circles of lilac around the collar; fragrant. Early, strong upright, free bloomer. The very best for Decoration Day. 40c each; postpaid.

Felix Crousse. Large globular brilliant red flowers. A strong, vigorous grower of medium height. One of the best varieties. 75c each; postpaid.

Festiva Maxima. This is not only the finest white in existence, but may be regarded as the queen of all the peonies. A grand cut flower variety, coming in bloom usually for Decoration Day. 50c each; postpaid.

Golden Harvest. A most striking variety, producing large, tri-colored blooms. The guard petals are blush pink with creamy white center. It combines cream, gold, white, pink, salmon, peach and apricot. The total color effect of the flower being creamy-pink; strong, delicate fragrance. 50c each; postpaid.

Grandiflora Alba. Early standard sort. Opens straw color, fading to pure white. Tuft in center sometimes marked with carmine. Often sold for *Festiva Maxima*. 30c each; postpaid.

Grandiflora Rosea. Very fine, fragrant rose pink. Of the hardiest and independent to late frosts. 30c each; postpaid.

Humei. Immense late cinnamon scented flower of varnished pink. 30c each; postpaid.

Jeanne d'Arc. Large globular bomb-shaped flowers; guards pale lilac-rose, collar cream-white shaded with sulphur. Mid-season. 50c each; postpaid.

PEONIES

Especially the modern introductions are probably the most valuable and the most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds, or bordering lawns, or shrub rows, they give a grand display of large, fragrant blossoms during June, followed by their exquisite foliage, which is very ornamental during the summer months. They are most effective for home and table decorations, and last longer in water than many other perennials. We advise not buying the cheaper varieties as they require as much care as the better kinds and are usually disappointing in the end. We use the blossoms from them each spring to supply our local trade with cut flowers. This year we have imported some very fine new varieties from Holland and would like to have our customers try some of them as they are the best that can be obtained anywhere.

Anemonea Flora Rubra. Good size, deep brilliant rose, carpels dark crimson; strong grower, tall free bloomer. 50c each; postpaid.

Andre Lauries. Light red, prolific and beautiful. 30c each; postpaid.

La Sublime. A very striking flower of deep, rich crimson color. A sure bloomer. 40c each; postpd.

L'Esperence. Very early; a great favorite; rosy pink; free flowering. 30c each; postpaid.

Louis Van Houtte. Deep carmine-rose tipped silver with fiery reflex, very brilliant coloring. Late flowering. 35c each; postpaid.

Marechal Valliant. This is the old *Grandiflora Rubra*. A large, light red-colored flower. 35c each; postpaid.

Monsieur Dupont. Semi-rose type, mid-season. Very large, well-built, cup-shaped bloom, ivory-white; center petals bordered with a tracing of lively carmine and lit up with golden stamens at base of petals. A truly royal flower. 75c each; postpaid.

Monsieur Jules Elie. Very large, compact, high crown, pale lilac-rose collar shading amber; yellow at the base. Very fragrant. Strong grower, early flowering, extra fine variety. \$1.00 each; postpaid.

Monsieur Krelage. Large, compact semi-rose type; dark salferino red with silvery tips. Free bloomer. Late. 75c each; postpaid.

Mary Crousse. Very large flowering; uniform pale lilac-rose. Tall, erect, strong grower and free bloomer. Probably one of the best of the new varieties. \$3.0 each; postpaid.

Officinalis Rosea Superba. The earliest flowering. The large flowers are of very soft pink. 75c each; postpaid.

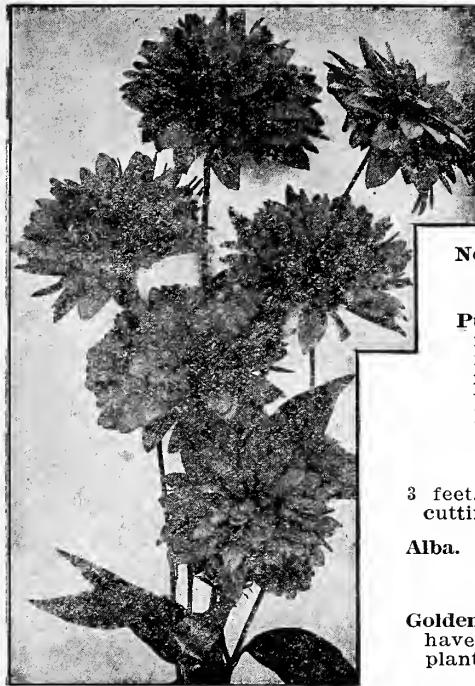
Officinalis Rubra Plena. Large globular blooms; brilliant crimson. This is the early flowering red peony so common to the old-time gardens; much used on Decoration Day. 75c each postpaid.

President Roosevelt. Very large, robust flowering. Dark red; one of the finest of its color. 50c each; postpaid.

Prince Imperial. Brilliant purplish scarlet; one of the god medium priced reds. 50c each; postpaid.

Queen Victoria. Milk-white guards tipped flesh color, center cream-white with crimson spots. A strong, free bloomer. A very distinct variety. 50c each; postpaid.

Solfatare. Milk-white guards; with sulphur colored center, fading to sulphur-white. The nearest approach to yellow that has been reached in the work on the peony. A decided acquisition to your collection of peonies. This variety is very distinct and desirable. 75c each; postpaid.



GOLDEN GLOW

RUDBECKIA (Cone Flower)

Somewhat resembling the Perennial Sunflower but having a more graceful and refined flower. It is a valuable ornamental, late summer and autumn flowering plant, and very valuable for cutting.

Laciinata. fl. pl. Golden Glow. A well known, popular plant of strong, robust growth, attaining a height of from 6 to 8 feet and producing masses of double golden yellow cactus dahlia-like flowers from July to September. An effective sort. 15c each; postpaid.

Newmanii. One of the finest of all the flowering perennials, bearing large flowers; bright orange petals, surrounding a large, black cone; very showy. 15c each; postpaid.

Purpurca. (Giant Purple Cone Flower.) A most interesting, hardy perennial, producing all summer large, showy reddish-purplish flowers about 4 inches across with remarkably large cone-shaped center of brown; thick set with golden tips of spirale lines. Makes a fine cut flower. Hardy as an oak. 15c each; postpaid.

SCABIOSO CAUCASICA (Pincushion Flower)

3 feet. Large pale mauve flowers on long stems. Fine for cutting.

Alba. Flowers white, very beautiful. 15c each; postpaid.

SOLIDAGO

Golden Rod. One of our most common native plants which we have brought into our nursery and find it makes a very fine plant for the hardy border. 15c each; postpaid.

SWEET WILLIAM

(See *Dianthus Barbatus*, Page 76.)

TRITOMA (Torch Lily, or Red Hot Poker)

A very handsome, showy border plant. Flowers borne in compact form on stout 3 to 4 foot stems, having the appearance at a distance of orange and colored spear heads. Requires protection during winter unless in very sheltered position. A good plan is to take up the roots

and store them in the basement during the winter. This flower is a rare beauty and will greatly repay you for what little trouble it may cause.

Grandiflora. New Mixed Hybrids. Large Plants, 25c each; postpaid.

STOKESIA CYANEA (Stokes' Aster, or Corn Flower Aster)

A beautiful native plant, growing from 18 to 24 inches high, bearing from early June to September. It's handsome lavender blue cornflower-like blossoms, which measure from 4 to 5 inches across. It is of the easiest culture, succeeding in any open, sunny position. 15c each; postpaid.

Alba. A white variety of the above. 15c each; postpaid.

YUCCA FILAMENTOSA (Adam's Needle)

Among the hardy ornamental foliage plants this may be classed at the head of the list. Broad, sword-like foliage from 5 to 6 feet tall; branched spikes of large, fragrant, drooping, creamy-white flowers during June and July make it an effective plant for all positions. 25c each; postpaid.

YOUR MONEY'S WORTH

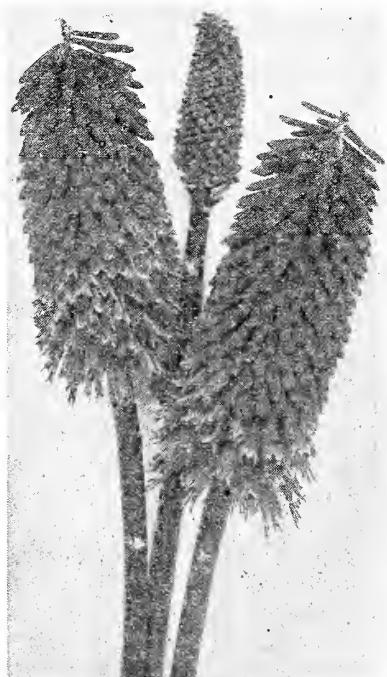
Teton Co., Mont., April 6, 1915.

Gentlemen:—

I received my package of seeds from you and I want to thank you for the Flower Seeds and for the large packets of seeds. I never before received so many seeds for the money.

Very truly,

MRS. J. J. BAKER.



Hardy Lilies

With the exception of Lily *Candidum*, which seems to prefer an open position, most lilies thrive best when planted in a semi-shaded position where the ground can be kept cool and moist by the protection of shrubs and a carpet of lawn grass. Planted among shallow-rooting perennials they find a congenial setting both as to soil and shelter. The bulbs should be planted from 6 to 8 inches deep with a little sand or moss under the base of each bulb. *Candidum Superbum* and *Tigrinum* we can supply early from home-grown stock. The varieties coming from Japan we can seldom supply until the end of November, but can ship immediately upon their arrival here.

Lilium Canadense. Wild Yellow Lily. Flowers vary in color—red and yellow. Grows 2 to 5 feet high, and is a most hardy species. Nice to plant among shrubbery and does quite well in shade. June and July. 15c each; \$1.50 doz.; postpaid.

Lilium Longiflorum. Pure white, trumpet-shaped, flowers in June or July, very hardy. Can also be grown as a pot plant. Bulbs 25c each; \$2.50 doz.; postpaid.

Lilium Speciosum Melpomene. Words cannot describe the beauty of this variety. Frosted white, spotted, clouded, and bordered with pinkish crimson. Petals deeply recurved and widely bordered. 35c each; \$3.50 doz.; postpaid.

Lilium Speciosum Magnificum. Rich Crimson. The finest colored of all Speciosums. 25c each; \$2.50 doz.; postpaid.

Auratum. (Gold Banded Lily.) Very large, white spotted crimson with broad yellow bands. 20c each; postpaid.

Candidum. One of the best hardy lilies. Flowers pure white, large and of delightful fragrance. Blooms in June. 15c each; postpaid.



TIGRINUM

Elegans. Perfectly hardy and will succeed in most any position. Flowers large and showy; bright red, flushed orange. 1½ feet high. Blooms in June and July. 15c each; postpaid.

Lily of the Valley. Bearing slender stems set with tiny white bells, delightfully fragrant, do well in shady situations. Flower each season without any attention. 6c each; 3 for 15c; 40c per dozen; postpaid.

Speciosum Rubrum. White, beautifully spotted with red; very fragrant; flowers in August. This is one of the most useful lilies; perfectly hardy and flowering well under all conditions. 20c each; postpaid.

Speciosum Album. Same as the above but pure white. 25c each; postpaid.

Superbum. Flowers bright orange-red, thickly spotted with purple. Remarkable for immense height (often 8 feet) and profusion of bloom; a strong plant, bearing from 20 to 30 flowers. Blooms in July. 15c each; postpaid.

Tenuifolium. Vivid scarlet with reflexed petals. Very easy culture. 15c each; postpaid.

Tigrinum Splendens. The well known "Tiger Lily," grows from 4 to 5 feet high and bears an immense number of bright orange flowers spotted with black. Blooms in August. 10c each; postpaid.

Tigrinum. fl. pl. A variety of the Tiger Lily with double flowers. 15c each; postpaid.

Wallacei. Flowers rich, clear buff, spotted black, late bloomer. 15c each; postpaid.



LILY OF THE VALLEY

WELL PLEASED

Clay Co., Nebr., October 7, 1915.

Gentlemen:—

I received the bulbs in such good condition. They were such fine ones, too. Will be looking forward to blooming time for something beautiful.

Yours truly,
MRS. MATTIE PELPS.

Hardy Ornamental Shrubby



BARBERRY

ALTHEA

Hibiscus. Rose of Sharon. 50c each.

Anemoneflorus. Double Rose. 50c each.

Ardens. Double Violet. 50c each.

Boule de Fue. Double Red. 50c each.

Coelestis. Single Blue. 50c each.

Jeanne d'Arc. Double White. 50c each.

Snowdrift. Pure White, Variegated foliage. 50c each.

TREE ALTHEA

Jeanne d'Arc; Anemoneflorus; Ardens. 4-5 feet. 75c each.

BARBERRY

B. Thunbergii. D.—From Japan. A very pretty species of dwarf habit, small foliage, changing to a beautiful coppery red in autumn. Valuable as an ornamental hedge. 18-24 inches, 20c each; \$1.75 per 10; \$15.00 per 100.

Purpurea. (Purple Leaved.) S.—A fine shrub, growing three to five feet high, with violet purple foliage and fruit; blossoms and fruit beautiful; very effective in groups, hedges or planted by itself. 18-24 inches, 25c each; \$2.00 per 10; \$15.00 per 100.

B. Vulgaris. (Green Leaved.) M.—A handsome, deciduous shrub; flowers yellow, berries dark red. Of upright growth, with light green foliage. 18-24 inches, 25c each; \$2.00 per 10; \$15.00 per 100.

BUDDLEIA (Butterfly Shrub, or Summer Lilac)

Variabilis Veitchianus. One of the most desirable summer flowering shrubs, beginning to bloom in July it continues until cut by severe frost. The flowers are of a pleasing shade of violet-mauve, and are borne in dense cylindrical spikes, which, under liberal cultivation, are from 12 to 15 inches in length by 3 inches in diameter; it succeeds everywhere and flowers freely the first season planted, and is always admired. 35c each; \$3.50 per doz.

Variabilis Magnifica. Similar to the above, with flower spikes not quite as large, but of a deeper violet-rose color. 50c each; \$5.00 per doz.

The planting of shrubs, or perhaps shrubs combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners, and the hard, straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives, and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings. Everywhere one can find places that will suggest their use, and when in flower, or adorned with their bright and varied foliage, their charm and beauty will be appreciated from early spring until late fall when most of them display their brightest colored leaves, to be followed by the red berries of many varieties during the winter months. Those who are not well acquainted with varieties and are doubtful as to what to plant, we shall be glad to help in selecting, and make suggestions and plans for grouping, for all sites and purposes.

Prices on ornamental shrubs are by express at your expense unless otherwise stated.

PRUNUS JAPONICA fl. pl. (Almond)

Almond. A beautiful dwarf shrub, producing its showy double flowers early in May before the leaves appear. We can supply both white and pink. 50c each.

ARALIA SPINOSA (Hercules Club, Angelica

Tree, or Devil's Walking Stick)

A singular native tree-like shrub, growing from 10 to 15 feet high, with very prickly stems, pinnate leaves and immense pinnacles of white flowers in August, followed by black fruit which makes it attractive until late in fall, an odd tropical looking plant. 50c each.

AZALLEA MOLLIS

A showy, low-growing, hardy plant. Used extensively in parks and public grounds. Blooms in the spring, having brilliant yellow, orange and carmine flowers not approached by any other shrub. Thrives best in a moderately well drained soil having the full sun or partial shade. Should be protected with a layer of straw during severe weather. 50c each.



DEUTZIA



HYDRANGEA

DEUTZIAS

Valuable, self-sustaining shrubs which vary considerably in height and habit, but bloom alike in dainty bell or tassel-shaped flowers borne thickly in wreaths along their branches, in June. The taller sorts are useful for specimens, groups, and the background of shrubberies, the dwarfer for borders or for planting near the house.

Crenata. Distinct from all others; white. 40c each.

Gracilis. A favorite dwarf bush, covered with spikes of pure white flowers in early summer. 30c each.

Lemoinei. Large flowers of pure white borne in cone-shaped heads. 50c each.

Pride of Rochester. Grows 6 to 8 feet high, and blooms in May before the others. Flowers large and free; double white. 50c each.

DOUBLE FLOWERING CRAB

One of the most beautiful of the many fine varieties of flowering crabs. Tree of medium size, covered in early spring with large, beautiful, double fragrant flowers of a delicate pink color. From a distance the flowers have the appearance of small roses. 4 feet. 60c each.

HYDRANGEA

Paniculata Grandiflora. This familiar old shrub is one of the most prominent factors during August and September, in brightening up the lawn and shrubbery groups. Single specimens, if planted in rich soil and severely pruned every spring before the leaf buds open, will get to be very dense, stocky clumps of compact form, and are wonderfully attractive when laden with their massive white plumes. Large beds, kept at a uniform development, are extremely showy; first snowy white, then pink, then reddish bronze and green. 50c each.

Arborescens Grandiflora. (American Everblooming.) A grand addition to the summer flowering hardy shrubs; dwarfing the show of other sorts in July and August by the magnitude and profusion of its flower-heads. The flowers are, in a large way, similar to the familiar "Snowball" in appearance, and are conspicuously white and imposing, whether as single specimens, as cut flowers, or in grouping. 50c each.

Trec Shaped. Very desirable in this form, in formal lines and backgrounds. 3 to 4 feet, 75c each.

CALYCANTHUS FLORIDUS (Sweet, or Strawberry Shrub)

An old favorite, double chocolate-colored strawberry-scented flowers. 25c each.

CARAGANA (Pea Tree)

A handsome dwarf tree with bright yellow flowers in May and June. 5 to 6 feet \$1.00 each.

CLETHRA ALNIFOLIA (White Alder, or Sweet Pepper Bush)

One of our native dwarf shrubs, bearing spikes of pure white, deliciously fragrant flowers during July and August. 35c each.

CORNUS (Dogwood)

The shrubby Dogwoods are mainly valuable for the brilliancy of their barks and berries, and the handsome variegation of their foliage.

Sibirica. Grows 6 to 10 feet high, with clusters of fine white flowers, succeeded by a fall crop of ornamental berries, stem and branches turning to blood-red in winter. 30c each.

Elegantissima Variegata. Grows 8 to 10 feet high, with purplish red branches and beautiful silver variegated foliage. 50c each.

Stolonifera. (Red Ozier Cornel.) Medium sized and spreading, with dark red bark and white flowers, berries white. 35c each.

CYDONIA JAPONICA (Japan Quince)

Very early in spring, this fine old shrub is completely covered with dazzling scarlet flowers, followed by small, quince-shaped fruits which are quite fragrant. Growth bushy and dense, with protecting thorns. 40c each.

FORSYTHIA (Golden Bell)

These splendid old shrubs, growing 8 to 10 feet tall eventually, light up the garden with glinting masses of yellow, very early in spring before the leaves appear. Their bright golden flowers, often appearing before the snow is gone, vie with the Crocus as harbingers of spring.

Intermedia. The earliest blooming. 40c each.

Suspensa. (Drooping Golden Bell.) Flowers bright yellow, and of slender, drooping habit. Suitable for planting on banks or walls, where the long branches may trail. 35c each.

Viridissima. A fine variety, with leaves and bark a deep green. Flowers deep yellow, very early in the spring. 40c each.



DOUBLE FLOWERING CRAB

LONICERA (Bush Honeysuckle)

The upright Honeysuckles have bright and pretty fragrant flowers followed by showy berries that last through the fall. Make desirable and attractive hedges.

Alberti. (Siberian Honeysuckle.) Dwarf bushy growth, about 2 feet, with silvery, pinnate foliage; fragrant, violaceous pink flowers in June. 30c each.

Lebedouri. A new variety, very showy with bright red blooms in May. 40c each.

Tatarica Grandiflora Alba. A variety of upright habit, with very large, pure white flowers. 50c each.

Tatarica Rosca. The best known of all the Bush Honeysuckles, and in our estimation the finest variety of all. Grows to a height of 8 to 10 feet with upright somewhat spreading branches and bright green foliage. The flowers are borne freely in May and June, are of bright pink color, followed by showy red berries, which ripen in mid-summer, and cling to the bush for several weeks. This fine shrub is of great value planted as a background for smaller shrubs. It withstands successfully the severest winters. 50c each.



SYRINGA

LILAC (Syringa)

This group is so well known that there is no need of extended description. To reach perfection, should have the moist, rich soil. We would call special attention to the newer varieties, as great improvement has been made in them.

Charles X. A strong, rapid growing variety, with large, shining leaves. Trusses rather loose; large, reddish-purple. 50c each.

S. Rothomagensis. Very much like the Persian in growth; flowers are reddish purple. 50c each.

S. Villosa. (Lilac Villosa.) 6 to 8 feet. From Japan. Large, branching, panicles standing well above the bush; light purple in bud, white when open, fragrant. Foliage resembles that of the white fringe. Especially valuable, as its flowers appear two weeks after other varieties. 50c each.

Jeanne d'Arc. Fine, large-flowered; white. 75c each.

S. V. Michel Buchner. Clear lilac. Double. 50c each.

S. V. President Carnot. Light lilac. Double. 50c each.

Vulgaris. (Common Lilac.) We can furnish white and purple. 25c each.

PRIVET (Lingustrum)

Besides being one of our best hedge plants, the various species of Privet form interesting groups on the lawn. They are almost evergreen; of dense compact habit. The flowers are fragrant, and are followed by pretty sprays of different colored berries.

Amoor River. Much hardier than any other. Stood last winter without killing. The foliage is glossy green, holding its color almost the entire year. Will stand any kind of shearing. 18 to 24 inches, well branched, \$1.00 per 10.

Ibota. A Valuable Hardy Privet of the West and Northern states. It is almost evergreen and grows rapidly in all soils. Compact and regular in form and bears shearing to any extent. Flowers white and fragrant. Leaves long and shiny. A charming shrub for hedges or specimens on the lawn. 18 to 24 inches, well branched, \$1.00 per 10.

Regelianum. A handsome Japanese Privet, with spreading branches and dark green foliage, contrasting well with the racemes of fragrant white flowers in summer; elegant and graceful as an isolated specimen. 25c each.

Ovalifolium Auricum. (Golden-leaved Privet.) A beautiful golden variegated form and very effective for associating with other dwarf shrubs. 25c each.

PYRUS ARBUTIFOLIA (Black Chokeberry)

A tall-growing shrub with light green foliage; small pinkish flowers in May; and shiny black berries late. 40c each.



JAPANSES QUINCE

QUICK DELIVERY

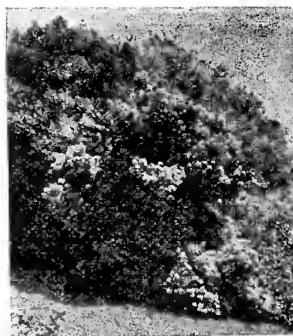
Dawson Co., Nebr., March 1, 1815.

Dear Sirs:—

Received the seed all right, many thanks for the quick delivery.

Yours truly,

A. L. ANDERSON.



PURPLE FRINGE

SPIREA (Meadow Sweet)

An indispensable class of small to medium-sized shrubs, embracing a wide range of foliage, habits of growth, color of flowers and season of blooming. All of easiest culture in all soils.

S. Anthony Waterer. D. A new crimson-flowered variety; one of the most beautiful of dwarf flowering shrubs. It makes a low, compact bush, 15 to 18 inches high, and is covered nearly the whole growing season with large umbels of deep crimson flowers. Perfectly hardy, it makes a fine, compact plant for low clumps or for bedding purposes. Grown as a pot plant, it is a fine plant for house decoration. 40c each.

S. Billardii. M. Medium sized shrub, producing spiked panicles of flowers, bright rose colors. 40c each.

S. Bumalda. S. A spreading, low bush, with dark leaves brightened by corymbs of pretty, light pink flowers in May, and at intervals all summer. 50c each.

S. Collosa. M. A choice species; flowers in flattish umbels, bright pink and very showy. 50c each.

S. Opulifolia. (Nine Bark.) M. A strong growing shrub with white flowers. 40c each.

S. Prunifolia. fl. pl. M. Very distinct, with numerous small, double white flowers, blooming early. 40c each.

Sorbiifolia. (Ash-leaved Spiraea.) A vigorous species, with leaves like that of the Mountain Ash and long elegant spikes of white flowers in July. 50c each.

S. Thunbergii. (Thunberg's). S. Dwarf habit and round, graceful form, branches slender and somewhat drooping; foliage narrow and yellowish green. Flowers, small white. Esteemed on account of its neat, graceful habit and early blooming. 40c each.

S. Van Houtte. M. The grandest of all the Spiraeas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Clusters of twenty to thirty flat, white florets make up the racemes, and these clusters are set close along the drooping stem. Perfectly hardy and an early bloomer. 40c each.

SAMBUCUS (Elder)

Although these shrubs are attractive in flower and fruit, they are chiefly grown for their beautiful leaves.

Acutiloba. (Cut-leaved American Elder.) No more beautiful ornament to the grounds can be planted; its great handsome cymes of delicate, white, fragrant flowers in June and July creating a most artistic effect. These are followed by large clusters of fruit. 50c each.

Aurea. (Golden Elder.) Contrasted with other shrubs, the golden yellow leaves of this Elder give heightened effects in tone and color. Flowers white, in flat-topped cymes. Grows naturally 10 to 15 feet, but can be pruned into a neat, compact little bush. 40c each.

SYRINGA (Philadelphus)

Also known as Mock Orange. Are mostly large shrubs, growing from 6 to 10 feet high. Of vigorous habit, very hardy, with large, handsome foliage and beautiful white flowers produced in great profusion. They merit a place in every collection of shrubbery.

Bouquet Blanc. Tall, erect grower, with coarse foliage; large double or semi-double flowers, in clusters of a dozen or more at the axils of the leaves, so close together as to resemble branches of snow-balls. 50c each.

Coronarius. (Garland Syringa.) A fine old form, 8 to 10 feet tall, that blooms among the earliest of the family, in very graceful sprays. Its large white flowers are delightfully scented. 50c each.

Grandiflora. Very large flowers in June. Fine. 50c each.

Zeyheri. One of the most showy, with spreading branches, literally covered with flowers an inch and a half across. 50c each.

RHUS AROMATICA (Fragrant Sumac)

Grows 2 to 4 feet tall; flowers yellow, in clusters along the stems, followed by red berries in June. Leaves color to brilliant scarlet in fall.

Purple Fringe. (R. Cotinus.) L. A much admired small tree or shrub for its curious fringe of hair-like flowers that cover the whole surface of the plants in middle summer. 50c each.

Common Sumac. (R. Glabra.) 6 to 8 feet. The brilliant-colored foliage in autumn makes fine contrast with a dark background. Can be used with good effect in landscape work. 50c each.

Staghorn Sumac. (R. Typhina.) A large shrub or tree. Brilliant foliage and scarlet fruit in autumn. 50c each.

Cut-leaf Sumac. (Var. Laciniata.) 4 to 5 feet. A very striking plant of medium size, with deeply cut leaves resembling fern leaves, dark green above and glaucous below, turning to a rich red in autumn. 50c each.

RIBES (Flowering Currants)

Hardy, bushy shrubs growing 8 to 10 feet high, prized on account of their early spring flowers; bright berries and bark; and pretty richly colored foliage.

Aureum. (Golden Currant.) Yellow flowers and dark brown fruits. 40c each.

Sanguineum. (Red Flowering Currant.) Red barked twigs; and reddish purple flowers. 50c each.

SYMPHORICARPUS RACEMOSUS

(Snowberry)

Fructo Alba. A well-known dwarf shrub with small pink flowers and large white berries that hang on the plant the greater part of the winter. 40c each.

Vulgaris. (Indian Currant.) Similar to the Snowberry except that its fruits are red, and that the smaller red berries cluster in thick ropes about the weighed-down stems. Growth is also more compact and formal, comparing well with the Privets for hedges. 40c each.



BRIDAL-WREATH

SNOWBALL VIBURNUM

Opulus Sterilis. (Common Snowball.) L. An old and well-known shrub, bearing large balls of pure white flowers. 50c each.

Opulus. (High Bush Cranberry.) L. Very ornamental berries resembling small cranberries, hang until destroyed by frost late in fall. 50c each.

Plicatum. (Japan.) M. A rare and exceedingly beautiful species of Japan; flowers in large globular heads; pure white, hanging long on the bush; a very choice and desirable shrub. 50c each.

TAMARIX (Tamarisk)

The Tamarisks are hardy shrubs, of strong growth, foliage light and feathery, their flowers delicate and fringing, usually in some light shade of red or pink. They will grow anywhere.

Africana. L. A tall, graceful shrub with small foliage like a Juniper, and delicate small rosy purple flowers, produced in spikes; very pretty. 50c each.

Gallica. L. Delicate pink or white flowers in slender-panicked racemes; leaves bluish green. An exceedingly pretty species. 50c each.

WEIGELIA

A valuable family, handsome in foliage as well as flowers. Are easily grown and adapted to a variety of soils. The flowers are trumpet-shaped, and are borne thickly in clusters along the stem.

D. Candida. M. Of vigorous habit, flowers pure white and produced in great profusion in June, and continue to bloom at intervals through the summer. 50c each.

D. Desboisii. M. A beautiful variety, with deep, rose-colored flowers, resembling Rosea, but flowers much darker. One of the best. 50c each.

D. Eva Rathke. M. A charming new Weigela; flowers brilliant crimson; a beautiful, distinct, clear shade. 50c each.

D. Rosea Variegata. S. An exceedingly pretty variety, the variegation being very distinct. 50c each.

D. Rosea. M. One of the most popular shrubs known. Flowers bright rose. 50c each.



WEIGELIA

Evergreen Trees by Mail

POSTPAID—12 PACKAGES AS BELOW

Fine for Hedges, Windbreaks and Ornamental Lawn Planting. These packages cannot be broken. By mail postpaid to destination. Safe arrival guaranteed to any point in the United States. Price, \$1.00 per package; any 6 packages for \$5.00.

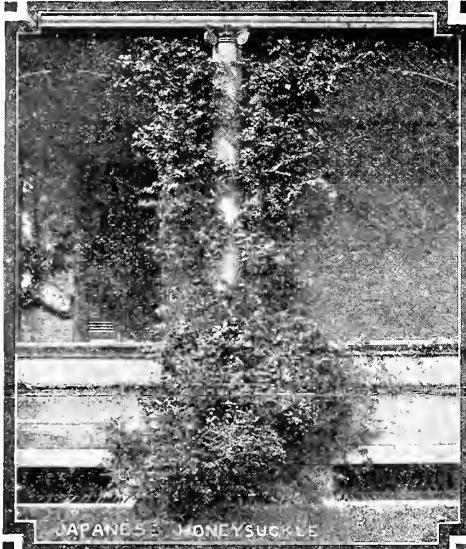
Complete planting instructions and cultural directions will be furnished with each order.

There is unquestionably no better way of beautifying your grounds than surrounding it with beautiful Evergreens. Evergreens are a permanent asset. They are everlasting and add to the beauty of the home winter and summer. Plant some Evergreens around your garden, and just see how much difference there is in the temperature and moisture. You will find that you can grow flowers, fruits and vegetables that you never could before. Groups of Spruces, Pines, Firs and individual trees here and there about the yard, and along driveways, change a dreary house into a comfortable home. Remarkable effects are produced by Evergreens, with color and foliage blending harmoniously—full of mystery at dawn or dusk. In summer they are cooling and refreshing. In winter they add color, warmth and cheerfulness.

These varieties have been thoroughly tested and proven absolutely hardy and reliable, and will grow successfully in all parts of the country. Complete planting instructions and cultural directions will be furnished with each order sent. Send in your orders as early as possible to avoid disappointment, as stock is limited. Shipment will be made in March, April or May. You cannot afford to overlook these wonderful collections.

1—100 Norway Spruce	3 yr. Seedlings	7—100 American Arbor Vitate	3 yr. Seedlings
2—100 Scotch Pine	2 yr. Seedlings	8—100 Dwarf Mountain Pine	3 yr. Seedlings
3—100 Douglas Firs	3 yr. Seedlings	9—100 Jack Pine	2 yr. Seedlings
4— 50 Colorado Blue Spruce	3 yr. Seedlings	10— 50 Red Cedar	2 yr. Seedlings
5—100 White Pine	2 yr. Seedlings	11—100 Ponderosa Pine	2 yr. Seedlings
6— 50 Black Hill Spruce	4 yr. Seedlings	12—100 White Spruce	3 yr. Seedlings

PRICE POSTPAID, \$1.00 PER PACKAGE; ANY 6 PACKAGES FOR \$5.00



HARDY IVIES

English Ivy. (*Ingelmanii*)

This is a hardy evergreen climbing vine, with dark glossy leaves much used for covering walls of churches and for cemetery work; is a true evergreen; retains its bright green leaves all winter. Very useful for covering graves, especially where grass will not succeed well. 15c each; 3 for 40c; postpaid. Large size 45c; postpaid.

Boston Ivy. (*Ampelopsis Veitchii*)

A beautiful climbing plant. This is one of the finest climbers we have for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with overlapping foliage, giving it the appearance of being shingled with green leaves. The color is a fresh deep green in summer, changing to the brightest shade of crimson and yellow in autumn. It is quite hardy and becomes more popular every year. 15c each; 3 for 40c; postpaid. Large size 45c; postpd.

WISTERIA

The Wisteria is particularly valuable for training over buildings, second floor verandas and wherever tall-growing climbers are wanted; it is a vigorous rapid grower, entirely hardy. The flowers are borne in large clusters. One of the best climbing vines for verandas, balconies, etc.

Chinese Purple. Of lovely, rich, violet-purple color, deliciously scented and handsome. Small 12c each; 3 for 30c; large size 50c each; postpaid.

Chinese White. Of similar habit to the purple variety, but with pure white flowers; a lovely climber. 16c each; 3 for 45c; large size 60c; postpaid.

One plant each of small size Purple and White 25c; postpaid.

Hardy Climbing Vines

Orders should reach us by April 25th at the latest

Your home, out-buildings, fences and trunks of old trees can be made very attractive by the use of hardy vines. Such permanent improvements add greatly to the value of your property, and the value increases from year to year. We furnish nice, strong, field grown plants at prices given below.

HONEYSUCKLES

For real handsome vines, to be near you, climbing over your windows and doorways, there is nothing prettier than sweet-scented Honeysuckles; the foliage is pretty, neat and clean, the flowers are almost continuous, and their fragrance delicious. The varieties described below are the very best.

Honeysuckle Hedges

Some of our friends have conceived the idea of planting Honeysuckles along the division fences, and it is wonderful what pretty hedges they make. Iron or wire fences are the best, but almost any kind is soon covered with a mantle of living green. Other climbing vines will answer the purpose, but the sweet-scented Honeysuckles are both fragrant and beautiful. They should be planted two feet apart.

Monthly Fragrant. Red and yellow; very fragrant. Blooms all summer; leaves tinged reddish color. Large size only, 45c; postpaid.

Hall's Japan. A strong growing, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant and covered with flowers from July to November. Small 12c each; large size 45c; postpaid.

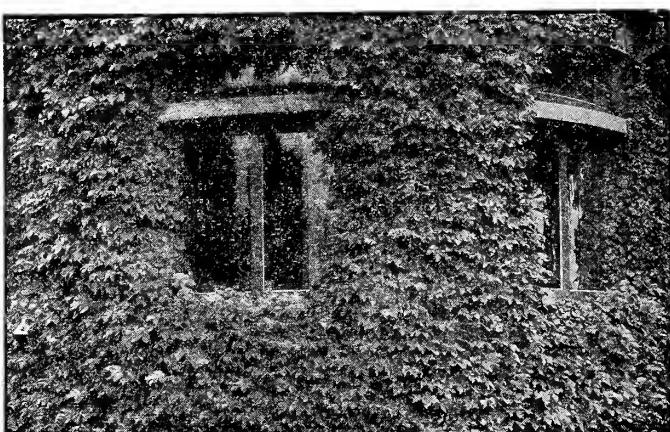
Scarlet Trumpet. Bright red trumpet-shaped flowers; blooms freely, vigorous and rapid growing. Small 12c each; large size 45c; postpaid.

Aurea Reticulata. (Golden Leaved.) A variety with beautiful variegated foliage of yellow, white and pink. 12c each; postpaid.

Chinese Evergreen. Sweet-scented. Blooms nearly all the season; deliciously fragrant, flowers buff, yellow and white. Small 12c each; large size 45c; postpaid.

Yellow Trumpet. Golden, trumpet-shaped flowers; fragrant. Small 12c each; large size 45c; postpaid.

One each of the five small size Honeysuckles 50c; postpaid.



AMPELOPSIS VEITCHII

CLEMATIS

There is no more ornamental class of plants than Clematis and the rich show of bloom produced by the best varieties is far too magnificent to be fairly portrayed by mere words. The colors run from intense velvety-purple, through crimson, blue, lavender and white. We presume that every one of our customers who sees Clematis plants in bloom each summer promises to plant some in his own garden or yard at the next opportunity. Here is the opportunity. They are especially adapted to our climate.

LARGE FLOWERING VARIETIES

Duchess of Edinburg. One of the best double whites, of vigorous habit, very free of bloom and deliciously fragrant. 50c each; postpaid.

Henryii. A vigorous grower and a free bloomer, producing its large, pure white flowers constantly during summer and early autumn. The best large-flowered variety producing pure white flowers. 50c each; postpaid.

Jackmanii. The flowers are large, intense rich velvety violet-purple and are produced in such masses as to form a cloud of bloom. Well known and very popular. 50c each; postpaid.

Madame Baron-Veillard. Of recent introduction and quite like its parent, the popular Jackmanii, in habit and make-up, except that its flowers are a lively, satiny lavender-pink; entirely distinct from any other variety and charming in effect. 50c each; postpaid.



JACKMANII

Madame Edouard Andre. Also of the Jackmanii type and is the nearest approach to a bright red that has yet appeared. The flowers are very large, usually six-petaled, of a distinct, pleasing shade of carmine, and are produced in bewildering profusion. 50c each; postpaid.

Ramona. Lavender-blue, flowers large, often nine inches across. Most beautiful of its color known. 50c each; postpaid.

SMALL FLOWERING VARIETY

Paniculata. One of the most valuable of all hardy flowering vines. Of exceedingly rapid growth, soon reaching a height of fifteen to twenty feet and spreading out in all directions. Small, pure white flowers, borne in great masses of panicles or clusters on long stems, so profuse as to fairly cover the plant with a sheet of fleecy white. Its blooming period is in August and September, when most other vines have ceased, and it is then a sight to behold. Not its least charm is its delightful Magnolia-like fragrance. Hardy as an oak. **Fine vines, 15c; two for 25c.** Strong two-year field plants to bloom this year, 40c each; postpaid.

SPECIAL OFFER

The above set of six distinct large-flowering Clematis for \$2.25; any three for \$1.25. This is a bargain as the roots are large and strong. The best you have ever seen.

BIGONIA (Trumpet Creeper)

Scarlet trumpet flowers with long, handsome, dark green foliage and quite showy clusters of orange and scarlet flowers during the summer. Large only, 45c each; postpaid.

CINNAMON VINE

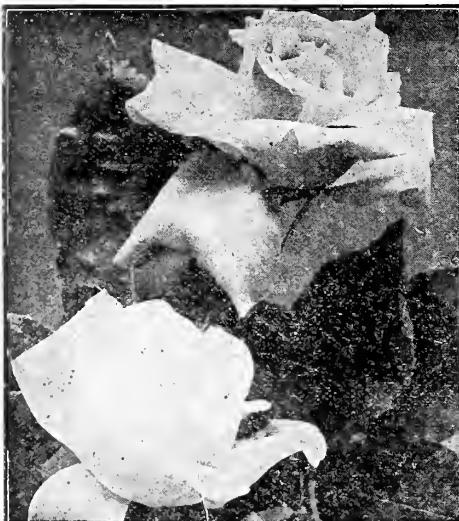
A beautiful hardy climbing vine, which will quickly surround an arbor, window or veranda with a profusion of vines covered with handsome glossy, heart-shaped leaves, bearing great numbers of delicate white blossoms, which emit a delicious cinnamon fragrance. We know of no vine that is more satisfactory, being perfectly hardy, thriving everywhere, and when once planted will grow for many years and be a source of constant delight. The vines quickly make long shoots 25 feet or more in length, and can be used for all purposes where a beautiful climbing vine is needed. Ornamental climbers are Nature's drapery, and few, if any, other plants can compare with the Cinnamon twining and climbing in its own native graceful beauty. It should be planted by everyone. Plant the bulbs about one inch deep in rich soil, and with the approach of winter cover lightly with straw and leaves to prevent freezing. 3 for 15c; 6 for 25c; postpaid.

DUTCHMAN'S PIPE (Aristolochia Siphon)

A very rapid-growing hardy climber. The flowers are long and shaped like an old Dutch pipe. 35c each; postpaid.



CLEMATIS PANICULATA



WHITE MAMAN COCHET

Etoile de France (Star of France.) A brilliant shade of clear red-crimson velvet, centering to vivid cerise; large flowers on long, stiff stems; remarkably vigorous, free-blooming and hardy. Grown to some extent as a cut flower variety, but its chief value lies in its striking beauty as an outdoor bloomer and bedder with bronzy-green foliage. **Small 12c each; large 35c; postpaid.**

Kaisercin Augusta Victoria. Pure white, does not pink when planted out; splendid, large buds and superb, full, double blooms, making the choicest cut flowers. A most sturdy grower, blooming steadily from early spring until late frost. **Small 12c each; large 35c; postpaid.**

Killarney. (The Irish Beauty.) Brilliant sparkling pink with large, pointed buds, broad, wax-like petals with silvery edges and enormous semi-full flowers of exceeding beauty. One of the very finest forcers and has become the type for a numerous family. **Small 12c each; large 35c; postpaid.**

La France. Silvery-rose, with pink shades and satin-like petals of unsurpassable beauty; large, symmetrical and deliciously fragrant blossoms from June until frost; hardy with protection. **Small 12c each; large 35c; postpaid.**

Lemon Queen. Lemon-yellow. The build of the flower is a refined "Druschki." The fragrance is delicious and is a desirable attribute. A rose par excellence. **Small 25c each; 50 cents; postpaid.**

Maman Cochet. Rich, rosy-pink, shaded silvery-rose on outer petals; exquisite in color and graceful in form from bud to bloom and delightfully fragrant; beautiful, healthy foliage and long, stiff stems. Unquestionably the queen of pink Tea Roses and a leading cut-flower variety. **Small 12c each; large 35c; postpaid.**

White Maman Cochet. Identical with its parent, Maman Cochet, in everything except color. Has same freedom of bloom and magnificent form of buds and flowers and the same hardiness. Vigorous and hardy nearly everywhere. **Small 12c each; large 35c; postpaid.**

Roses

NOTE: The "large" roses are 2-year-old; "small," 1-year-old. Order in spring, not later than June 1st.

To obtain the most satisfactory results, roses should be planted in well drained, rich deep loamy soil, and given a location where they will have sunlight and a circulation of air. For winter protection an application of composite or rotten manure should be given them in the late autumn, and spaded into the ground the following spring.

NOTICE

If the plants look wilted when received put them in luke-warm water for 15 or 20 minutes. Set the plants about $2\frac{1}{2}$ inches deeper than they were growing before and press the soil firmly around the roots. Give them a good watering. Shade from sun and wind until they begin to grow.

Teas and Hybrid Teas

Cherry Ripe. An extraordinary free-flowering Hybrid, branching in habit, vigorous and hardy, and as free as a Tea Rose. The flowers are medium in size, well formed, globular, light rosy-crimson; as fragrant as the Hybrid Perpetuals. **Small 12c each; large 35c; postpaid.**

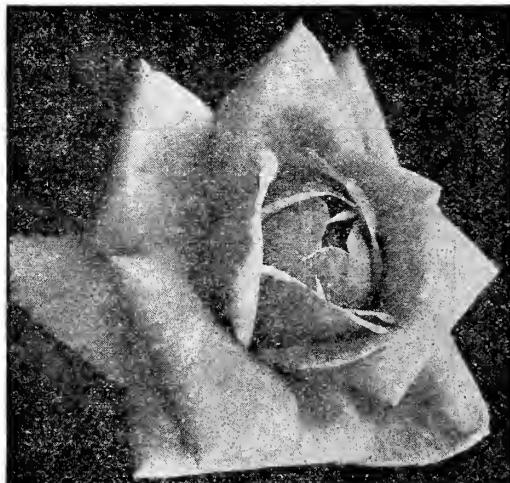


KILLARNEY

Killarney Brilliant. Newest member of its family and expected to push Killarney, its parent, off the field. Color varying from crimson-pink in winter to a bright, true pink in hot weather, brilliant throughout the year. As free a producer and a trifle stronger than the parent, with nearly double the petalage. First year's sales enormous. **Small 25c each; large 60c; postpaid.**

Killarney Queen. A cerise pink sport from Killarney, unequalled for clearness and brightness of color, with petals larger than in the parent, and its perfect foliage likewise larger and more glossy. **Small 20c each; large 50c; postpaid.**

White Killarney. A pure white sport from the pink parent above described. Identical with the pink variety except in color. **Small 12c each; large 35c; postpaid.**



LA FRANCE

The Bride. (White Tea Rose.) Flowers very large on long, stiff stems. They last a long time after being cut, making it one of the best for bouquets. Sometimes a pinkish white in very small hot weather but usually a pure white. Small 12c each; postpaid.

Bridesmaid. Clear, shining pink. buds of exquisite shape; stems long and stiff; a profuse bloomer. A leader of pink forcing roses since 1893, and likewise an outdoor favorite. Small 12c each; large 35c; postpaid.

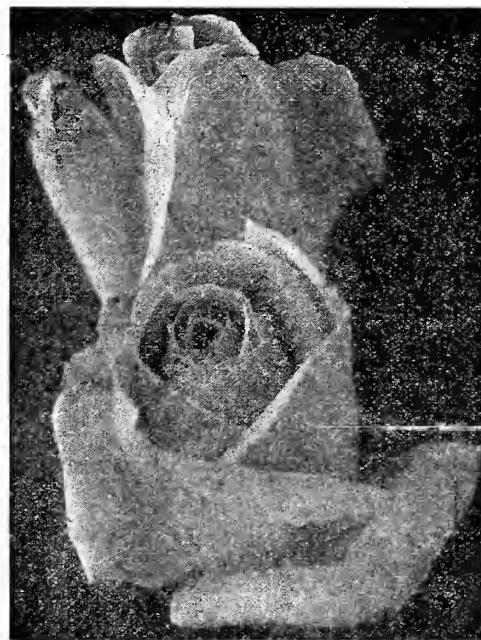
Clothilde Soupert. A really wonderful Rose for bedding out or for pot culture; medium size and very double; white, shading to deep pink at center; a profuse bloomer and a strong dwarf grower, deliciously fragrant. Small 12c each; large 35c; postpaid.

Hermosa. Popular for many years; cup-shaped, finely formed and full flowers of soft, deep pink; ever-blooming, beautiful and hardy. Small 12c each; large 35c; postpaid.

Meteor. Intense velvety-crimson, buds and blooms large, elegantly formed, fully double and borne on nice, long stems, with healthy, bright foliage of the deepest green. Brilliant and highly popular. Small 12c each; large 35c; postpaid.

Ophelia. Brilliant salmon-flesh shaded with rose on outer edges of petals, with a heart of glowing peach-pink and orange-yellow blendings, all passing finally to lighter shades; fragrant as Richmond, faultless form in bud and flower; erect habit, stiff, long stems; free and continuous in growth and bloom; handsome, bright foliage; immune to mildew and black spot; possesses every requisite of a perfect forcing rose. Small 35c each; large 75c; postpaid.

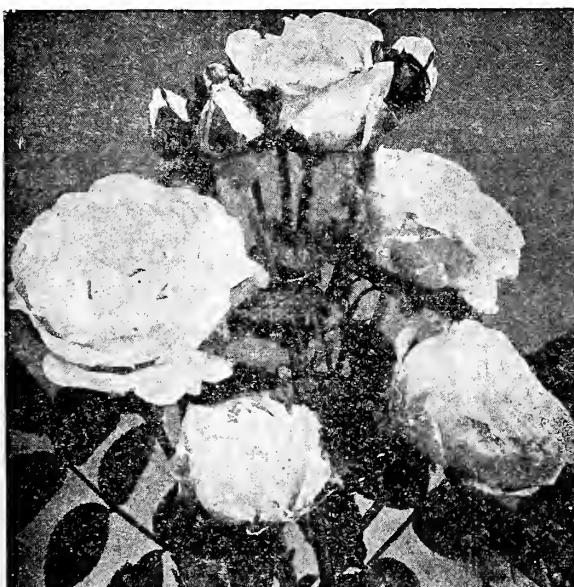
Radiance. Brilliant rosy-carmine, shaded with rich opaline-pink tints in the open flower, which is large, full, of fine form, with cupped petals. A constant and fragrant forcer, producing strong, upright canes and an excellent keeper in summer. Seedling from Cardinal. Small 12c each; large 35c; postpaid.



RADIANCE

Pink Soupert. Rose-pink in color; otherwise same as Clothilde Soupert; always in bloom. Small 12c each; postpaid.

Sunburst. This magnificent giant yellow Rose is a fine forcer; it stands head and shoulders above all others of its color and will rank with American Beauty and the Killarneys in value and grandeur. It has long, pointed buds, which can be cut tight for market. The color is orange-copper or golden-orange and golden-yellow; edge of petals lighter; all intense shades, extremely brilliant in effect. Some call the color cadmium-yellow. It makes no difference what you call its color, it is the yellowest of all Roses in the ever-blooming class. Belongs in the class of big Roses; has created a sensation wherever shown. Yes, and something more must be said about this Rose. It puts all the yellows to sleep when it comes to bedding in the garden. The golden-yellow color stays right with the flower until it fully finishes. Better get acquainted with "Sunburst." Small 25c each; large 60c; postpaid.



CLOTHILDE SOUPERT

THINK THEY ARE FINE

Box Butte Co., Nebr., April 10, 1915.
Dear Sirs:—

I got my seed O. K. and think they are fine. I bought my seed of you last year and had fine vegetables of all kinds.
Respectfully,

MRS. C. BAUER.

WELL PLEASED

Searcy, Ark., March 5th, 1915.
Dear Sirs:—

Received my garden and flower seeds today and am well pleased with them. I have ordered from Griswolds for several years and have had fine success with all my seeds. I always get fuller packets and better seeds than anywhere else.

Yours truly,
MRS. R. J. TUELL.

Hybrid Perpetual Roses

American Beauty. (Mme. Ferd. Jamin.) Generally conceded to be the most grandly beautiful of Roses in size, form and color. Rich red, passing to crimson, very delicately veined and shaded and surpassingly fragrant. A hardy ever-bloomer and rapid grower. **Small 25c each; large 60c; postpaid.**

Boule de Neige. (Ball of Snow.) Pure white, showing light flesh upon opening; elegantly formed, very full and double, with beautifully shaped petals evenly arranged; hardy. **Small 15c each; large 40c; postpaid.**

J. B. Clarke. Intense scarlet, shaded crimson-maroon, very dark and rich, and sweetly fragrant; petals large, deep and smooth; extremely high pointed center; foliage bronzy-green changing to dark green; growth strong and upright, making a large, handsome bush. **Small 15c each; large 40c; postpaid.**

Frau Karl Druschki. (The White American Beauty, or Snow Queen.) An everywhere hardy, vigorous grower, with bright green leaves, delicately veined; splendid long buds and magnificent snow-white blooms with large saucer-shaped petals. Rightly named and deservedly a prize winner. **Small 25c each; large 50c; postpaid.**

General Jacqueminot. A celebrated and much sought after variety, both for planting out and pot forcing; shapely buds and handsome blooms of bright, shining crimson, rich, brilliant, velvety and fragrant. Everybody knows and wants the "Jack" for its all 'round good qualities. **Small 15c each; large 40c; postpaid.**

Gruss an Teplitz. (Greeting to Teplitz, or Virginia R. Coxe.) Hardy in all sections; grows freely to a height of four to five feet; vivid, dazzling, fiery crimson; sweetly fragrant; produces a mass of gorgeous blooms on long stems. **Small 12c each; large 35c; postpaid.**

Hugh Dickson. Brilliant crimson, shaded scarlet; very large and beautiful in form, with large, smooth petals, slightly reflexed on the edges. A vigorous grower, with handsome foliage; very fragrant. **Small 15c each; large 40c; postpaid.**



WHITE AMERICAN BEAUTY

Madame Plantier. A June Rose, well worthy of its long and continued popularity. Pure white, large and double; hardy as a forest tree; a free and continuous bloomer of the best white Hybrid Perpetuals, used extensively for cemetery planting. **Small 15c each; large 40c; postpaid.**

Mistress John Laing. A beauty in clear, bright, shining pink; each bud in its long, serrated calyx with adjacent green foliage, forms a dainty and lovely boutonniere; immense, full bloom on long, stiff stems; sweetly scented. **Small 15c each; large 40c; postpaid.**

Paul Neyron. The largest of all Rose blooms; bright, shining pink, clear and beautiful; very double and full; finely scented; blooms first season and all summer. Grows to a great height in a single season and stems are almost thornless. **Small 15c each; large 40c; postpaid.**

Pink Frau Karl Druschki. (George Arends). This is the wonderful "Pink Druschki." Do not confound it with the much inferior sort "Heinrich Munch," which is being offered in some quarters as "Pink Druschki." This Rose we predict will have as large a following and be as widely planted in a very few years as the now famous "White Druschki." We have looked it over in the field and grown it in pots for the market, and we absolutely cannot detect a single fault in it or about it. The growth and make-up of the plants is superb, while the delicate pink color is unapproachable. **Small 35c each; large 75c; postpaid.**



GEN. JACQUEMINOT

Prince Camille de Rolan. (La Rosiere.) Universally known as "The Black Rose," owing to its very deep, velvety crimson color, passing to intense maroon, and shaded black; large, handsome and fragrant blooms. **Small 15c each; large 40c; postpaid.**

Ulrich Brunner. Brilliant cherry-red flowers of immense size and bold globular form. Seedling of Paul Leyron, strong and disease resisting. **Small 15c each; large 40c; postpaid.**



BLUE RAMBLER

Excelsa. (Red Dorothy Perkins.) Intense crimson-scarlet; double flowers in brilliant clusters set in glossy, shining foliage which never mildews nor spots. An intensified Crimson Rambler, which it promises to displace. **Extremely vigorous** and the handsomest of all red climbers. **Small 20c each; large 40c; postpaid.**

White Dorothy Perkins. A pure white sport from Dorothy Perkins, with which it is identical in foliage and habit. A valuable addition to the hardy climber class. **Small 12c each; large 35c; postpaid.**

Shower of Gold. Deep golden-yellow orange flowers borne in splendid trusses forming a mass of bloom. Extremely long laterals are densely clad with a beautiful Wichuriana foliage, the leaves on upper side a vivid, glossy green, the under side and stems a reddish-brown shot with a silvery sheen. **Small 20c each; large 50c; postpaid.**

Tausendschoen. (Thousand Beauties.) Varying shades from a delicately flushed white to a deep pink or rosy-carmine, in bright clusters of blossoms almost covering the handsome pale-green foliage. A vigorous, hardy climber with few thorns, of German origin. **Small 20c each; large 50c; postpaid.**

Polyantha or Baby Ramblers

Anna Muller. This rose is very much the same as the Crimson Baby Rambler, except in the color of its flowers, which are a shiny, brilliant pink produced in the greatest profusion in large clusters. It is a splendid companion to the other excellent members of this family. This is the original pink Baby Rambler. **Small 12c each; large 35c; postpaid.**

Hardy Climbing Roses

Blue Rambler. A sport from Crimson Rambler and as vigorous a climber; produces immense panicles of blooms, opening reddish-lilac, changing to amethyst and steel-blue. A German novelty of recent introduction. **Small 12c each; large 35c; postpaid.**

Climbing American Beauty. A seedling from American Beauty with an admixture of Wichuriana and Tea blood. Same as its namesake in size, color and fragrance, with the addition of the climbing habit. Better blooming qualities, good foliage, and has proven hardy and withstands heat and drought. **Small 20c each; large 50c; postpaid.**

Crimson Rambler. The most popular out-of-door climber of today; a rapid foot in one season; rich clusters of bloom from a mass of vivid crimson beauty until late in the season. Perfectly hardy in the most trying climates, being a native of Japan. **Small 12c each; large 35c; postpaid.**

Dorothy Perkins. Beautiful shell-pink color, which holds for a long time, fading finally to a lovely deep rose; very sweet-scented; fully equal to Crimson Rambler in foliage, hardiness, habit of growth and blooming qualities. **Small 12c each; large 35c; postpaid.**



CLIMBING AMERICAN BEAUTY

Polyantha Roses

Continued

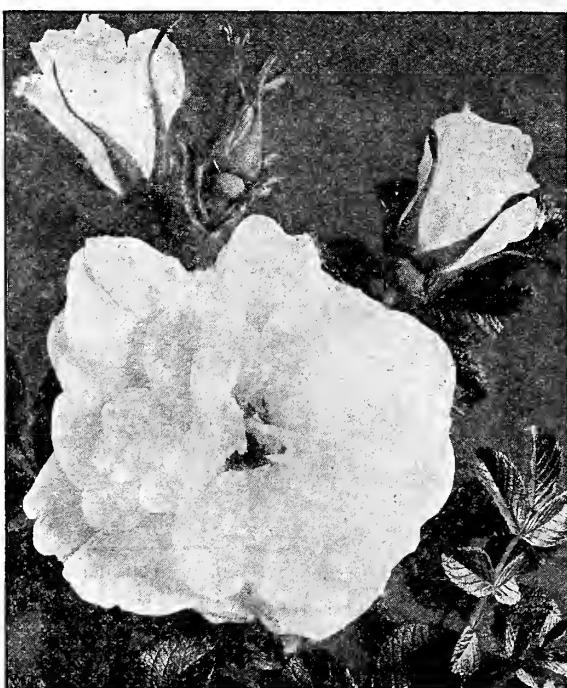
Baby Rambler. The Crimson Rambler in dwarf form, with the same clear, brilliant, ruby-red color. Hardy and healthy everywhere, attaining a height of twenty inches, and blooming in profuse clusters until frost, and throughout winter if taken indoors. Small 12c each; large 35c; postpaid.

Baby Dorothy. (Pink Baby Rambler.) A prolific producer of pure pink flowers, with all of the good qualities of Crimson Baby Rambler. Small 12c each; large 35c; postpaid.

Baby Tausendschoen. This Rose was formerly named "Louise Welter." Its flowers are large and so much like Tausendschoen that it has been rechristened "Baby Tausendschoen." It is a bush form of the "Climbing Tausendschoen" or "Thousand Beauties," having all the charm in the variable coloring in its flowers that its parent has, being firm white, delicately flushed pink, changing to deep rosaceous. This is a splendid Rose. Try it. Small 20c each; large 50c; postpaid.

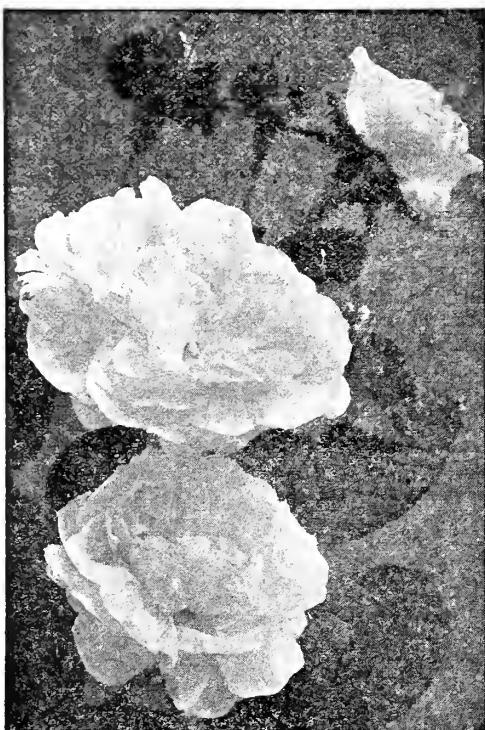
Erna Teschendorff. Carmine-red sport from and fuller than Mnie. Norbert Levavasseur, of fiery color similar to Gruss an Teplitz; never blues. Blooms from May to end of October. Claimed the newest and best of the Baby Rambler class; a medal winner. Small 20c each; large 50c; postpaid.

White Baby Rambler. Pure snow-white, double blooms in profuse clusters, making a sheet of white color, with a fragrance similar to Hyacinths. Compact, bushy grower of dwarf habit; foliage dark, glossy and finely cut; ever-blooming and hardy. Small 12c each; large 35c; postpd.



RUGOSA

George Elger. Golden-yellow buds opening to a deep clear yellow; growth upright. Very free flowering. Fine for massing and pot culture. This is the finest yellow Polyantha and should become as famous as Mlle. Cecile Brunner. Small 35c each; large 75c; postpaid.



MOSS ROSE

Rugosa Roses

Conrad Ferdinand Meyer. Pure, silvery-pink, surpassing all others of the Rugosa family in beauty of color and fullness of form; fragrant and hardy; will not mildew nor black-spot; handsome in foliage and valuable as an ornamental shrub. Large 50c each; postpaid.

New Century. A grand Rose that is entirely hardy, bearing beautiful silvery-pink flowers in clusters. This Rose is in bloom all the time. Extra fine for cold climate. Small 25c each; large 60c each; postpaid.

Sir Thomas Lipton. The best pure white Rugosa Rose. Strong and vigorous; grows four feet high. Flowers perfectly double, pure snow-white. Fragrant, borne on stems continuously throughout the season. Absolutely hardy everywhere. Splendid for hedging, cemetery and park work. Small 25c each; large 60c; postpaid.

Moss Roses

Mousseline. Pure white flower, buds heavily and beautifully mossed. Small 25c each; large 50c postpaid.

Princesse Adelaide. Bright rosy-pink; large, double and fragrant; buds beautifully mossed. Small 25c each; large 50c; postpaid.

Bedding and House Plants

Can be supplied up to about June 1

FLOWERING BEGONIAS

Argentea Guttata. A very handsome variety, foliage oblong in form, purplish bronze in color, handsomely marked with silvery gray spots and dashes. The flowers are borne in large clusters, and of pure, waxy whiteness. 15c each; postpaid.

Gracilis Luminosa. Magnificent new specimen; exceptionally sturdy and vigorous; unquestionably one of the choicest bedding sorts. Flowers are large, perfect, plentiful and never out of bloom. Color, the brightest scarlet. 15c each; postpaid.

Sandersonii. (Coral Begonia.) Flowers bright scarlet. A profuse bloomer almost always in bloom summer and winter. Excellent for vases, window boxes, etc. 15c each; postpaid.

Thurstonii. A beautiful, stately plant; glossy foliage. Under side of leaves rich, purplish red; veinings are very prominent. Upper side, bronzy green, shaded with crimson and olive, with peculiar glossy metallic lustre over all. Flowers beautiful shell-pink. 15c each; postpaid.

REX or PAINTED LEAF BEGONIAS

Beauty of Richmond. Dark green crow's feet center with broad band of silver. 20c each; postpaid.

King of Rex. (Magnifica.) Center and edge of leaf velvety emerald-green with a broad silver zone. Foliage is massive and very striking. 20c each; postpaid.

Louise Closson. The metallic-bronze center is surrounded with a broad band of pink overlaid with a silvery sheen. 25c each; postpaid.

Mrs. S. H. Moon. Leaves are a combination of silvery-white, metallic-bronze and emerald-green. 20c each; postpaid.

Queen of Hanover. Has a distinct shape, color and texture; a silvery metallic-green distinctly marked. 25c each; postpaid.

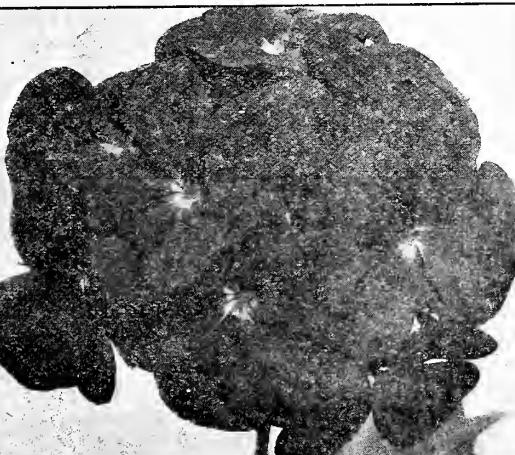
GERANIUMS

12c each except where noted; any six priced 12c each for 60c; postpaid.

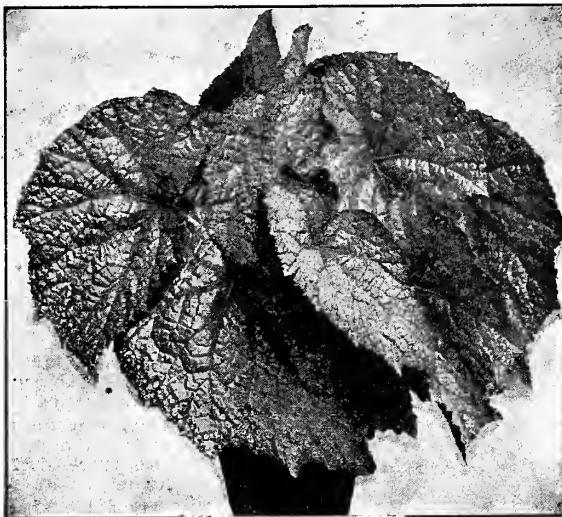
Alphonse Ricard. Large, perfectly formed semi-double flowers of bright vermillion-red are freely produced in enormous trusses during the entire season.

Beaute Pointcvin. The color is a beautiful shade of shrimp-pink, delicately shading to white. The flowers are large, splendid trusses; a most profuse bloomer the entire season.

Heteranthe, or Double General Grant. Bright orange-scarlet flowers, profusely produced during the entire season in good sized trusses. A vigorous grower. Will stand the sun well.



GERANIUM



REX BEGONIA

Jean Vian. Beautiful shade of mauve-pink, shading to clear white throat; the flowers and trusses are enormous, sometimes measuring 6 inches in diameter. Extra fine.

La Favorite. Flowers purest white; very free flowering; always a perfect mass of white; an old favorite.

Madame Barney. A profuse bloomer of an enormous semi-double flower of a deep pure pink color, of dwarf and branching habit. A perfect bedder and pot variety. 15c each; postpaid.

Marquise de Castellane. Magnificent double flowers and enormous trusses of a beautiful soft crimson varying to a lighter red, freely produced the entire season on rigid stems well above the foliage; will satisfy the most discriminating.

Mrs. E. G. Hill. A profuse bloomer of a soft, light salmon color, each petal bordered with a salmon-rose; will resist the heat of the sun; excellent for bedding. An exquisite Geranium. 15c each; postpaid.

Mrs. Lawrence. One of the finest varieties we have in this color, especially as a winter or early spring bloomer, continuing throughout the entire summer an exquisite shade of soft satiny salmon-pink, slightly tinged with white. Extra 15c each; postpaid.

S. A. Nutt. This is more generally used as a pot plant and for bedding than any other variety. The color is a handsome dark velvety scarlet with maroon shadings. A vigorous grower.

SWEET-SCENTED GERANIUMS

12c each; 3 for 30c; postpaid

Lemon. The foliage is pronouncedly lemon-scented.

Nutmeg. Foliage has true nutmeg fragrance.

Rose. The famous sweet rose-scented Geranium; very fragrant.

IVY-LEAVED GERANIUMS

These have a trailing habit, and are extra fine for basket, vase or porch work. 15c each; 2 for 25c; 5 for 60c; postpaid.

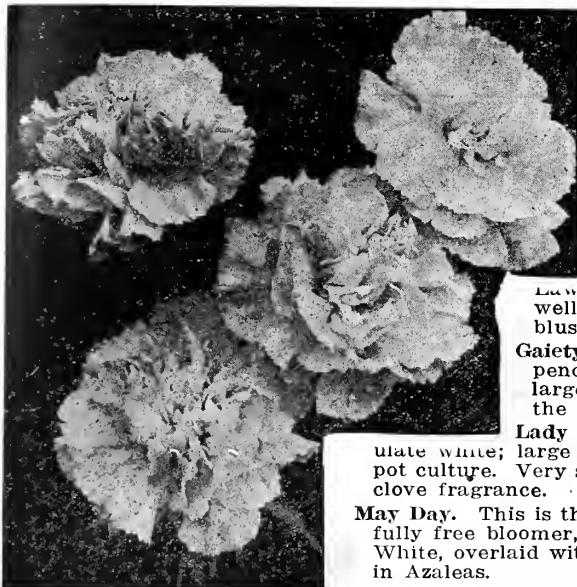
Caesar Franck. Color is a magnificent shade of soft, rich crimson, with an exquisite shading of tender rose at the base of petals.

Incomparable. A glorious bright red.

Joan d'Arc. Flowers perfectly double; color pure snow-white.

Mrs. Banks. Flowers large, semi-double; color a pleasing shade of bluish-white, upper petals feathered Neyron pink.

Rycrofts Surprise. Charming bright clear pink.



EXCHANTRESS CARNATION

MONTHLY CARNATIONS

"The Divine Flower"

Price, 12c each; any 3 of your selection for 30c
This Novelty Collection of 6 Monthly Ever-blooming Carnation Pinks, 60c.

Victory. The flowers measure 3½ inches when well grown. Long, strong stems, 2 to 3 ft. A healthy, vigorous grower. Glowing scarlet-crimson, intense and fiery with its rich ox-blood shadings.

Enchantress. (The Great \$10,000 Beauty.) Is pronounced superior to the Mrs. Thomas W. Lawson. The flowers are 3½ to 4 inches across when well grown. The color is a superb shade of rosy blush-pink.

Gaiety. Color pure white, with a few narrow pink pencilings about the edge and through the flower; large and full, very round and symmetrical. One of the best producers.

Lady Bountiful. Largest flowers of the purest immaculate white; large sized blooms. Valuable for garden planting and pot culture. Very sweetly scented with that delightful old-fashioned clove fragrance.

May Day. This is the largest Carnation ever offered. It is a wonderfully free bloomer, considering the monster sizes the flowers attain. White, overlaid with pink, reminding one of the beautiful tints seen in Azaleas.

Mrs. Thos. W. Lawson. (The Sensational Carnation.) Grandest pink Carnation, a true exhibition variety. Bloom large and spreading, stem stiff; a good grower. Is the queen of a class all its own.

PRIZE SET OF CHRYSANTHEMUMS

Of the easiest growth, they quickly make large bushes, either in open ground or in pots. We offer the best kinds now known. At the low prices for which we offer them, every one should have Chrysanthemums. They are the people's flowers.

Black Hawk. An extra fine deep crimson variety of the largest size; none finer of its color. 15c each; postpaid.

Golden Glow. Bright yellow, of velvety finish. Flower 5½ inches in diameter. 10c each; postpd.

Mrs. Jerome Jones. One of the finest white Chrysanthemums ever raised; flowers of exquisite form and finish; grand. 10c each; postpaid.

John Shrimpton. A rich red that has many admirers; of the largest size. Extra. 15c each; postpaid.

Lavender Queen. A lovely shade of pinkish lilac. Very desirable. 15c each; postpaid.

Mrs. O. P. Bassett. A light lemon yellow of the largest size; grand. 10c each; postpaid.

Golden Wedding. Nothing finer among yellows; shines like burnished gold. The standard for measuring yellows; of mammoth size. 15c each; postpaid.

Australian Gold. Deep golden yellow with tones of bronze; of immense size; the petals are feathery, incurved and whorled. 15c each; postpaid.

EARLY FLOWERING CHRYSANTHEMUMS

So many persons have asked for varieties of Chrysanthemums that would flower before frost comes in the fall. We here offer the very best early "mums," so you can see them flower in the garden. Price, 20c each; the 5 for 85c; postpaid.

Carrie. Brightest yellow; large and fine.

Glory of the Pacific. A lovely shade of brightest pink; large and fine.

Estelle. Pure snow-white; literally covers the plant.

Monrovia. By far the best; very early; yellow, rich and fine.

October Frost. Purest snow-white; fairly glistens in its purity.

HARDY POMPON CHRYSANTHEMUMS

Price, 15c each; postpaid.

Eleganza. Deep pink, tipped and edged white.

Goldfinch. Magnificent; gold, shaded crimson. Extra.

Golden Fleece. Large, bright lemon-yellow.

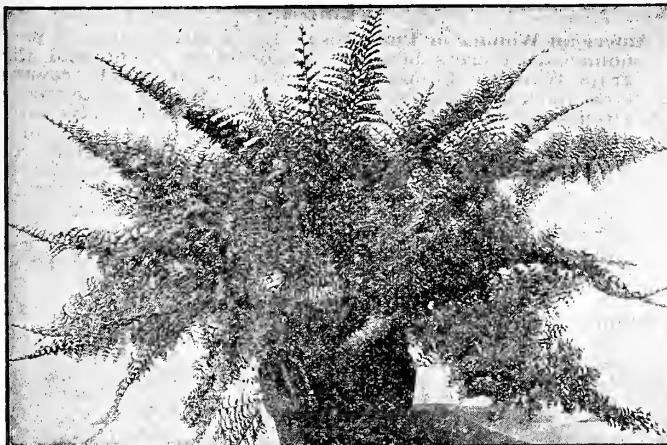
Kadar. Clear magenta. Extra fine.

Mrs. Vincent. Large; deep purplish-rose.

Rhoda. Bronzy-pink. Fine.



CHRYSANTHEMUMS



PLUMOSUS

THE "ROOSEVELT FERN"

Nephrolepis Roosevelt. It is our good fortune and great pleasure to offer this wonderful new Fern. In general characteristics it resembles the world-famous Boston Fern, but it will sweep that Fern from the boards for two reasons—it produces many more fronds than the Boston, thus making a bushier, handsomer plant. In fact, it is the best Fern for general use even introduced. Roosevelt will make a better plant in a 6-inch pot than any other Fern in a 10-inch pot. The usual selling size of the Boston Fern is from a 6-inch pot. Well, let us tell you that in a 6-inch pot of the Roosevelt and the Boston there is no comparison. The Roosevelt doubles the fronds of a Boston in a 6-inch pot, thus making a much more finished plant. The pinnae are beautifully undulated, giving the Roosevelt a pronounced wavy effect seen in no other Fern; as the plant ages this effect becomes quite distinct. The sales of the Roosevelt Fern have far exceeded our fondest expectations, a far greater number than was ever sold of a new Fern. 20c each; postpaid.



OSTRICH PLUME FERN

FERNS

ASPARAGUS PLUMOSA

Climbing Lace Fern. A finer and more delicate plant than the Sprengerii, but hardy and easily grown; very satisfactory for window and house culture; an extremely graceful window climber, bright green feathery foliage, as fine as the finest silk or lace. The fronds retain their freshness for weeks when cut, and are greatly admired for floral decorations. An exceedingly beautiful plant for house and conservatory, and will thrive nicely in the temperature of an ordinary living room. Entirely unequaled for the grace and beauty of its lovely, spray-like fronds. 20c each; postpaid.

BOSTON SWORD FERN

Nephrolepsis Bostoniensis. This Fern has proven to be a most popular decorative plant. It is a rapid grower of very easy culture, soon forming a large, graceful plant; its beautiful fronds often attaining a length of 4 to 5 feet, which arch and droop so gracefully that it is sometimes called the Fountain Fern. No plant ever introduced has had a larger sale than the popular "Boston Fern." You can make no mistake in ordering this magnificent Fern, as it is sure to please you. We receive many letters from patrons who are

highly pleased with the Boston Fern purchased from us. 20c each. ppd.

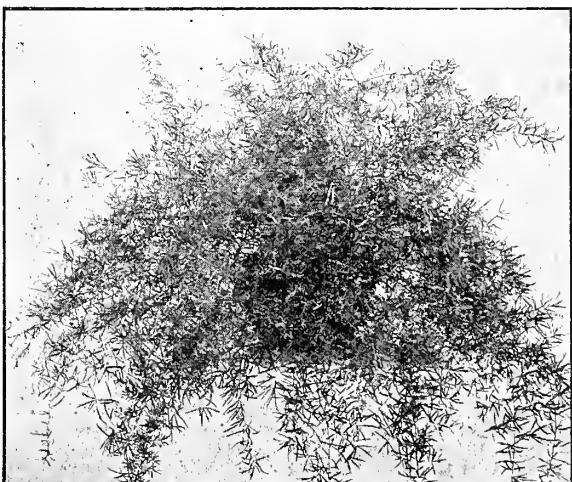
OSTRICH PLUME FERN
Nephrolepsis Whitmanii.

We have never sold a Fern that has created so much favorable comment. It appears to delight in hot weather and hence seems to thrive perfectly in the warm atmosphere of living rooms. Combines graceful plumbiness and charm with additional features of good shape, size and growth, but equalizes matters by compactness and a wider, stockier shape. The accompanying illustration was made from a

photograph and gives only a fair idea of its graceful appearance. The fronds, although even more fine cut, are more erect, and have proved less liable to revert to original type. 20c postpd.

ASPARAGUS SPRENGERII

Emerald Feather Asparagus. This is undoubtedly one of the handsomest and most valuable evergreen training plants for the house and conservatory ever introduced. It is especially valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green feathery foliage, which can be cut freely and are very useful for bouquets, wreaths, and all kinds of floral decorations. It makes a charming ornamental plants for the window or conservatory in winter, and is equally valuable for vases, baskets, porch-boxes in summer. It is a strong, vigorous plant, very easily grown, requires but little care and keeps on growing, fresh and green, year after year. 20c each; postpaid.



ASPARAGUS SPRENGERII



AMERICAN WONDER LEMON
Also called PONDEROSA

FUCHSIAS (Ladies' Eardrops)

Price, 15c each; the set of 4 for 50c.

Black Prince. This is, without question, the very finest Fuchsia grown for the amateur to cultivate. It makes a shapely bush, is robust in growth, free from disease and insects, and is probably the freest in blooming. We have seen specimen plants 6 feet in height and 4 feet across loaded with bright buds and blossoms of a beautiful waxy carmine or pink color.

Enfant Prodigy. A grand Fuchsia; bright red sepals, deep purple corolla.

Monstrosa. Of the largest size; scarlet sepals, double snow-white corolla.

Speciosa. Habit erect and compact, presenting a decidedly neat and attractive appearance as a pot plant. The fine star-shaped flowers are produced in profusion, and begin when plants are quite young. The flowers are three inches or more in length; tube and sepals bright rose, corolla brilliant carmine; it blooms quite freely.

Tender Vines and Climbers

THE WONDERFUL GIANT MOONFLOWER. (Ipomea Maxima.) A giant in growth and flower, and wonderfully fragrant. This grand new Moonflower is a decided improvement over the old well-known variety, Ipomea Grandiflora. The flowers are more than twice the size, oftentimes measuring from 6 to 7½ inches across. Its growth is very rapid when planted in good rich soil. Fine plants, 15c each.

NEW MOONFLOWER. (Heavenly Blue.) A splendid companion plant to the White Moonflower. It is equally rapid in growth, and a much freer blooming variety than the white one. The blooms come in clusters of 5 to 12, and at times almost hide the vines. 10c each.

IPOMEA GRANDIFLORA. (The True Ever-blooming Moonflower.) It is called the Moonflower from its rare peculiarity of blooming best at night and on dull, cloudy days; flowers pure white in great profusion. 10c each.

ANTIGONON LEPTOPUS. ("Queen's Wealth.") Produces rose-colored flowers in racemes 2 feet long; beautiful. 10c each.

BOUGAINVILLEA SANDERIANA. The Chinese paper plant. Lovely clear lavender flowers. 20c each.

GERMAN or PARLOR IVY. A rapid-growing plant, well adapted for training in the parlor. Leaves glossy green and flowers yellow, in clusters. 8c each.

SMILAX. A lovely house vine. 10c each.

TRADESCANTIA. (Wandering Jew.) Fine for baskets. Two distinct kinds. 10c each.

VINCA MAJOR VARIEGATA. Fine for baskets and vases; green and white foliage. 10c each; large strong plants, 20c each.

LEMON

American Wonder or Ponderosa. Horticultural experts pronounce it a cross between the ordinary lemon and the grape-fruit, or Pomelo. The plant is of rapid growth; large dark-green foliage, and bears fruit when quite young often weighing 3 to 5 lbs. Flowers are pure waxy-white and resemble orange blossoms, only larger and more compact and exceedingly sweet scented. An elegant plant for porch or lawn decoration. Very ornamental on account of its large, shiny foliage and its wonderful immense fruit, which is produced very freely. It is of easy culture, flowering and fruiting in any good, ordinary soil. The fruit is edible and may be used for all culinary purposes. 20c each; postpaid.

OTAHEITE ORANGE

Chinese Dwarf. A grand pot plant of great beauty and novelty. Is a dwarf orange that grows, blooms and fruits freely in pots, even when only a foot or two high. Fruit is about half the size of ordinary orange; is sweet and luscious. Blooms are produced in greatest abundance, are delicate and beautiful in color, and rich in delicious perfume. Blooms most freely during winter, although very likely to bloom at all times of the year. With 1 or 2 plants you can raise an abundance of fragrant blossoms. 20c each; one Lemon and one Orange for 35c; postpaid.

COLEUS

General Assortment. We have a collection of 30 kinds of the most distinct sorts. Leave the selection of varieties to us, as it is hard to describe the various tints. 5c each; any 6 for 25c; any 12 for 50c; 25 distinct varieties for \$1.00. These are all good beaters, standing the hot sun without losing their color. Price of Coleus by the hundred when sent by express, \$3.50, you to pay the expressage.

OLEANDERS

These old-fashioned shrubs are becoming immensely popular again. They make handsome specimens in tube for the veranda or yard. Can be wintered in the cellar. Except when noted, 15c each; the set of 4 Oleanders for 50c.

Lutea. Has double primrose-yellow flowers of a lovely shade, also fragrant. Scarce.

Rosae. Has double pink flowers. The old favorite. Very sweet.

Rosae Variegated. Foliage is green, deeply edged with yellow; pink flowers. 20c each.

Lilian Henderson. Has double white flowers of the largest size. Fragrance like the old double pink. Scarce.



OTHEITE ORANGE

Summer Flowering Bulbs

Plant in deep, rich soil, when the ground becomes warm. For earliest flowering the tender bulbs may be started in the house. For succession of bloom, plant up to June 1st. After fall frost, lift the bulbs, let them dry, and then removing the tops, store in a cool, dry place, away from frost, planting early in the spring.

CANNA

The most popular decorative plant of the day. The earth should be spaded deeply and well enriched. After planting water sparingly until the plants have taken root and show good leaf growth. When in full foliage they may be watered freely. We are making a specialty of Cannas and you will find our plants extra fine and the blooms of very beautiful coloring.

Allemania. Scarlet orange bordered with yellow; 6 ft.

Alphonse Bouvier. Richest red; showy variety. 5 ft.

Beaute Pointevine. A rich glowing crimson. 2½ ft.

Burbank. Immense flowers of a rich yellow. 3½ ft.

Egendale. Bronze foliage, flowers deep red. 4½ ft.

Florence Vaughan. Pure yellow dotted with red. 5 ft.

Frederic Benary. Currant with orange throat and yellow edge. 5 feet.

King Humbert. Giant flowered; orange scarlet; bronze leaf. 4 feet.

Madame Crozy. Crimson scarlet with yellow border. 3½ ft.

Mme. Berat. Large flower of a soft rosy-carmine, nearly pink. 6 ft.

Queen Charlotte. Rich crimson with band of yellow. 4 ft.

Pennsylvania. Deep scarlet; one of the best. 5 feet.



CANNA

PRICES OF ALL CANNAS

Dormant Roots, 8c each; 75c per doz; postpaid. By express, per dozen, 65c; per 100, \$5.00.

Started Plants ready May 10th, 10c each; per dozen, \$1.00; postpaid. By express, per dozen, 85c; per 100, \$6.50.

DAHLIAS

Large, symmetrical double flowers, having broad petals, incurving at the center. Blooms from August to freezing weather.

Princess Victoria. Very large, clear canary yellow.

Jack Rose. In color it resembles the Jacqueline rose. Profuse bloomer and splendid for cutting purposes.

Mrs. Roosevelt. Very large, soft pink.

Sylvia. A beautiful deep pink, shading lighter to the center.

A. D. Livoni. Rich pink, finely formed; a very handsome flower.

Arabella. Very large and beautiful. Color soft primrose shaded with rose.

White Swan. Large, pure white. One of the best.

Queen Victoria. Large, rich golden yellow.

Red Hussar. Richest cardinal red, with long stems. Splendid for cutting.

Varnum's Variegated. Bright red, tipped with white.

Gov. Warfield. Pure white.

Hobbies' Yellow. Rich canary yellow.

Delice. Bright rose pink.

Jumbo. Deep red.

Elegans. Rosy purple, tipped white.

Bouton. Splendid crimson.

PRICES OF ALL DAHLIAS

Any of the above named Dahlias 20c each; per dozen, \$2.00; postpaid. By express, 15c each; per dozen, \$1.65.

Mixed Dahlias. Including some of the above varieties, 15c each; per dozen, \$1.50; postpaid.

Dahlia Seed. Single or double. Pkt., 5c; postpaid.



DAHLIA

AIR POTATOES

A brand new climbing vine of recent introduction. It has large, heart-shaped leaves, they are so glossy that they look as if varnished, and grow at a rapid rate. They produce a quantity of round tubers all up the vine from the size of birds' eggs to a goose egg. It belongs to the same family as the old cinnamon vine, but is much more handsome and greatly superior to it in every way. The tubers can be stored over the winter like potatoes, and planted in the spring. 15c each; 3 for 40c; postpaid.

CALADIUM ESCULENTUM (Elephant's Ear)

Fine tropical plant, bearing immense leaves. Start as directed for cannas, when growing you cannot make the soil too rich or keep it too wet. 15c each; 2 for 25c; postpaid.

CRINUM AMERICANUM

A native of the swamps of Alabama and Florida, but it grows in any good garden soil and is of easy culture. Handle like an Amaryllis, and the beautiful clusters of large, pure white, delicately sweet scented flowers will repay for the care. 20c each; 3 for 50c; postpaid.

KUDZU VINE (Jack-and-the-Bean-Stalk)

A most remarkable hardy climber. Starts slow, but in a few weeks grows almost beyond belief. Foliage dark green. Fine for porches and arbors. Roots, small, 13c each; 3 for 40c; postpaid. Large roots, 25c each; by express.

MADERIA VINE

A rapid climber, twining to great heights. Thick, glossy leaves and feathery, very fragrant flowers. It grows anywhere, but does better in a warm, sunny location. It is also very pretty for training in the house. Strong tubers, 5c each; 3 for 10c; per dozen, 30c; postpaid.

MATRIMONY VINE

Well known, hardy, fast growing vine; handsome when covered with scarlet fruit in Autumn. Plants, 35c each; postpaid.

OXALIS

Summer-blooming. A very pretty plant for edging flower beds. Bears an abundance of pink and white flowers and delicate foliage. 15c per dozen; postpaid.

TUBEROSE

A beautiful, white, wax-like, very sweet-scented, double flower, growing on tall stems. 5c each; 40c per dozen; postpaid.

Mexican Ever-blooming Tuberose. These come from the high table-lands of central Mexico. They have tall, stiff stems, flowers pure white, single, delicately fragrant. They withstand all kinds of wind and weather except hard frosts, commence to bloom in May and are a mass of white till cut down by frost. They never blight and the smallest bulb blooms the first season, generally sending up 3 to 10 flower stalks. If the stalk is cut when the first flower opens and put in water, the flowers increase in size and whiteness and keep for a week or ten days. 8c each; 3 for 25c; 75c per dozen; postpaid.

GLADIOLI

This is one of the best summer-flowering bulbs. It is a flower anyone can grow and is lovely enough to satisfy the most exacting. The flowering season may be continued by planting from middle of April to the first of June. Set the bulbs 6 inches apart, and 2 to 4 inches deep. For Fall treatment, see under "Summer Flowering Bulbs," page 101.

Augusta. Lovely pure white, blue anthers. 5c each; 40c dozen; postpaid.

America. The finest pink Gladiolus yet introduced; especially valuable to florists, spikes 2 to 3 feet long; flowers are large, open and spreading. Color delicate lavender pink. 5c each; 40c dozen; postpaid.

Baron Hulot. Dark purplish violet. 5c each; 50c per dozen; **Brenchleyensis.** Intense fiery scarlet. 5c each; 40c per dozen; postpaid.

Mrs. Frances King. Bright "Flamingo" pink, strikingly attractive. Flowers 4 to 5 inches across, are borne on stalks 5 feet high. 5c each; 50c per dozen; postpaid.

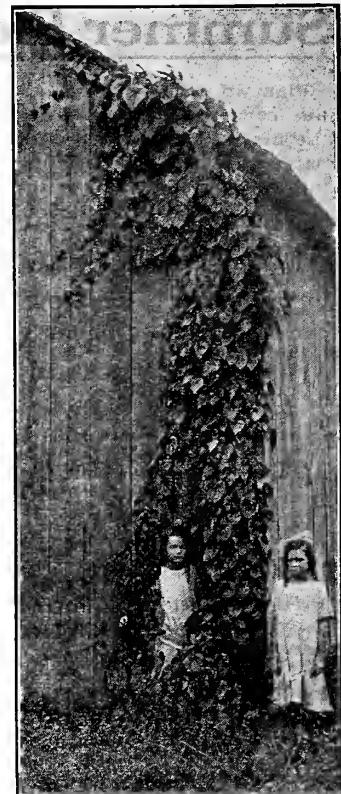
Pink Beauty. A beautiful deep pink variety, very early. One of the best. 5c each; 50c per dozen; postpaid.

Niagara. The best yellow. 10c each; \$1.00 per dozen; postpaid.

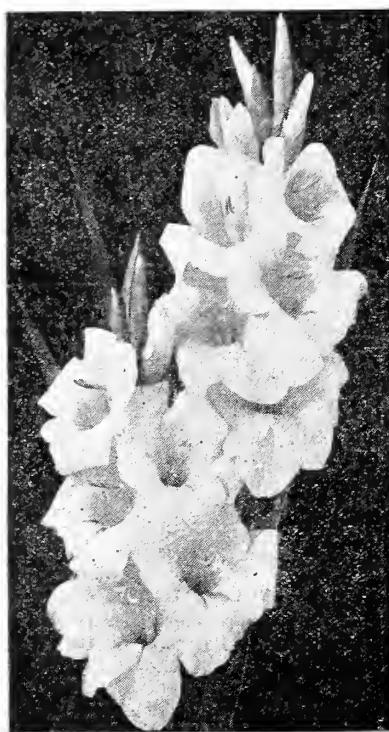
Groff's Hybrids. The size and beautiful shadings of this strain give the greatest possible range of varieties. 5c each; 40c per dozen; postpaid.

Griswold's Fine Mixed. All colors and varieties. Every one a beauty. 4c each; 35c per dozen; postpaid.

Good Mixed. Especially recommended to make a good brilliant show in the garden for a small outlay. All bloomers. 3c each; 4 for 10c; 25c per dozen; postpaid. 50 for 75c; 100 for \$1.25; by express, at buyer's expense.



AIR POTATOES



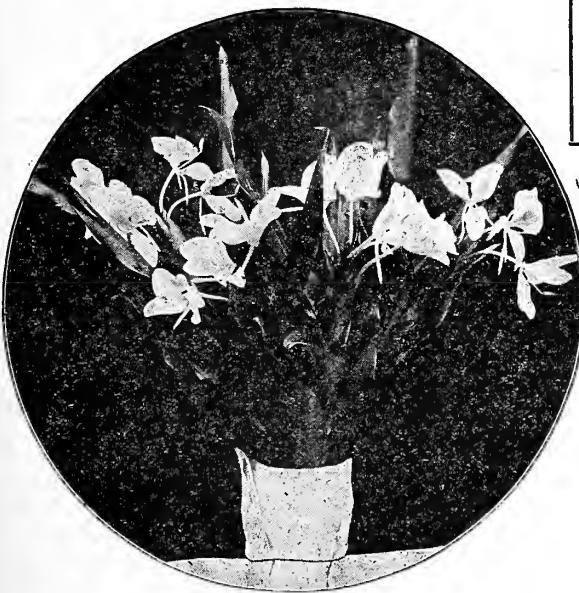
GLADIOLI

TRINIDAD DASHEEN

The Trinidad Dasheen is probably the most wonderful yielder of tuberous roots that are valuable for human food and stock food as well, and will often yield 500 to 700 bushels per acre. They belong to the same family as the well known Elephant Ear or Calladium Esculentum so often grown all over the country for ornamental use in our gardens and somewhat resemble them but grow more upright, leaf is rounder and of a much darker green in color. They like an abundance of water and will grow on land too wet for almost all other crops. Even an overflow of several days at a time will do them no harm whatever, and they will also endure considerable of a drought without great disadvantage. They will thrive where it is too dry for the common Elephant Ear and many prefer them for ornamental planting to that old favorite. In fact, we believe that they will, as soon as well known, rapidly supersede them for general ornamental planting. They will, on good rich soil, reach a height of 6 feet and upwards; and, if planted 2x4 feet, will yield enormous crops. The shoots in early spring are often cooked like asparagus and make an excellent substitute for that vegetable. The tubers are much richer in food values than either Irish or Sweet Potatoes and are cooked in various ways. A bulletin containing a variety of recipes for cooking them has been issued by the Agricultural Department at Washington that can be had for the asking. They mature such a wonderful crop of tubers that it is thought they will prove a very profitable crop. At any rate everyone should try a few. Price, small size, 10c each; large size, 20c each; postpaid. By express, small size, \$6.00 per 100; large size, \$15.00 per 100.

XANTHOSOMA

Bataviensis. The Xanthosomas are similar to Caladiums, having great arrow-shaped leaves. This variety has very dark purple stems and



BUTTERFLY LILY



TRINIDAD DASHEEN

dark green leaves and is one of the best ornamentals we know of. Fine for either garden or home culture, where one has room enough for a magnificent plant. 20c each; 3 for 50c; postpaid.

HEDYCHIUM

Butterfly Lily. Grows best on low, damp ground. Are much like Cannas, but the leaves are narrower and the flowers are produced from a close head. Blooms about 4 o'clock in the afternoon. The pure white flowers look much like butterflies and are very fragrant. If kept in the house in a growing state it blooms continually. 15c each; 3 for 40c; postpaid.

FALL BULBS

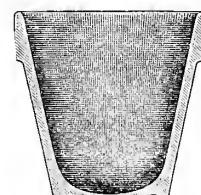
In September of each year we import from Holland, a large shipment of Fall Bulbs. These should be planted any time from the middle of September until the ground freezes. This list includes bulbs for outdoor planting and for planting in the house. Write for our illustrated Bulb Catalog.

STANDARD FLOWER POTS AND SAUCERS

We pack these carefully, but will not be responsible for breakage in transit by express.

POTS

	Each Doz.	100
2 inch....	\$0.02	\$0.12
3 inch....	.03	.20
4 inch....	.04	.35
5 inch....	.05	.50
6 inch....	.06	.65
7 inch....	.10	1.10
8 inch....	.15	1.50

**SAUCERS**

Each Doz.	100	Each Doz.	100
4 in. \$0.03	\$0.25	\$1.50	7 in. \$0.06
5 in. .04	.35	2.00	.08 .90
6 in. .05	.45	4.00	6.00

APPLES

Nursery Stock

Our fruit trees are all grown at home and adapted to this climate. Our nursery stock is all inspected by the State Entomologist and must be free from all insects and diseases before it can be sold. A certificate to this effect accompanies each shipment. We guarantee our trees to give you satisfaction in so far that if they are not satisfactory upon arrival you can return them immediately at our expense.

We catalog only such varieties as are productive and suitable for this climate.

BEN DAVIS. Old variety, large, red stripes; good keeper; quality medium.

DUCHESS OF OLDENBURG. This well-known Russian variety is the hardiest of the old list and is a young and abundant bearer. Tree is dwarf and can be planted profitably as a filler. Handsome, large fruit, oblate, greenish yellow, almost wholly covered with stripes and splashes of bright crimson. Flesh white, slightly acid, tender, juicy, and pleasant. A kitchen apple of the finest quality and also highly esteemed for dessert. A good shipper for an early apple. Should be found in every orchard in the Northwest. Season August.

GRIME'S GOLDEN. Tree vigorous. Fruit above medium, regular, surface rich golden yellow; flesh yellow, flavor rich and spicy, slightly acid. Specially good for early winter. Season November to January.

JONATHAN. A delicious dessert apple. Fruit good size, surface smooth clear, bright yellow, almost

WEALTHY. Originated by the late Peter M. Gidion. A vigorous, spreading grower, very productive and hardy. Fruit above medium to large, oblate, very regular, smooth, light, yellow, almost wholly covered with bright red splashes and stripes. A beautiful fruit. Flesh white, often stained with red, tender, very juicy, slightly sub-acid, very good for table use and cooking. A splendid and profitable market sort. Season October to February.

WINESAP. A valuable, well-known variety. One of the leading export apples, fruit medium, roundish, skin moderately thick and tough. Dark red with yellow; flesh very rich and firm. Season December to May.

YELLOW TRANSPARENT. One of the earliest apples. Fruit is medium large, smooth, transparent. Skin is clear white, turning pale yellow when ripe. Flesh white, fine grained, aromatic, and of splendid quality. Tree is vigorous, good bearer. Two-year-old trees frequently produce fruit. Succeeds in all Eastern states, and should be planted in all cold climates. Succeeds well on thin soils. Ripens in early August. Its hardiness, vigor and early bearing commend it.

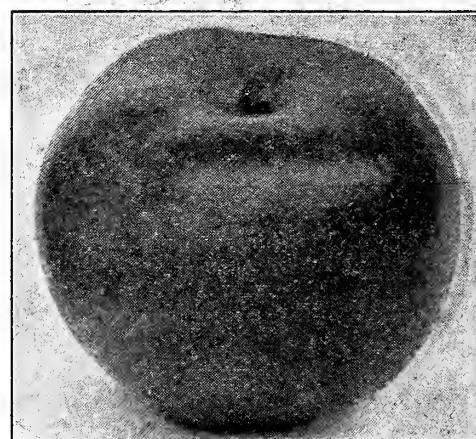
covered with rich dark red on sunny-side; flesh white, tender, juicy, and spicy. November to January.

MAIDEN BLUSH. Good size, fine flower, beautifully blushed, good bearer, a fine apple for home and market. September.

NORTHWESTERN GREENING. Tree a splendid vigorous grower, quite hardy. Fruit large to very large, green becoming yellow-green when ripe. Flesh yellow, fine grained and firm. Flavor a good sub-acid, very smooth and attractive. Very prolific and a regular bearer.

RED JUNE. Size medium, oblong, very red. Flesh white, tender, juicy, sweet, acid with a fine flavor. Quite early and keeps well for a summer apple. Tree very hardy, bearing young and abundantly.

WALBRIDGE. Medium size, striped with red, good cooker; vigorous grower and productive. Very hardy and considered of value in the North. December to January.



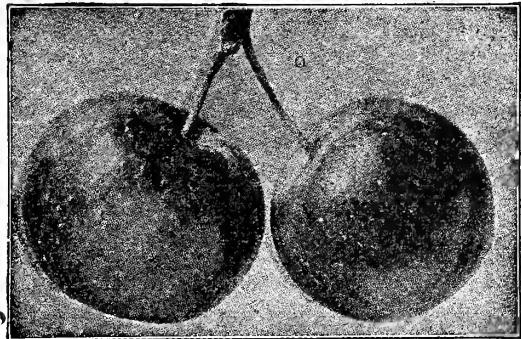
WEALTHY

**FOR PRICES OF APPLES LISTED ON THIS PAGE
SEE PAGE 106**

THE LAW IS SUCH THAT WE CANNOT SHIP NURSERY STOCK INTO WYOMING

Crab Apples

WHITNEY NO. 20. (Hybrid.) A beautiful, upright growing tree. A young and abundant annual bearer and very hardy. Fruit of large size, conical, yellow striped with red, and covered with a whitish bloom. Flesh, white, crisp, sub-acid, almost sweet and very fine for eating; good for sweet pickles. Season August to Sept.



FLORENCE

Florence. A hardy tree, bearing young; fruit medium; of carmine color; flesh yellowish; medium fine; a fine jelly crab.

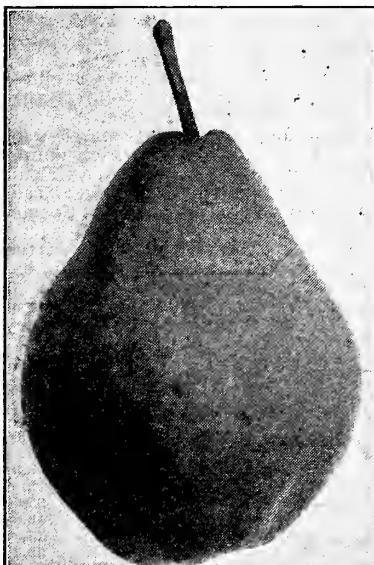
MARThA. A vigorous grower and free from blight. Fruit large yellow with heavy blush of light red, flesh fine grained, firm; very juicy and fine for cooking.

Pears

CLAPP'S FAVORITE. A large, fine pear, resembling the Bartlett but without its musky flavor. Pale lemon yellow with brown dots, very juicy with a delicate flavor.

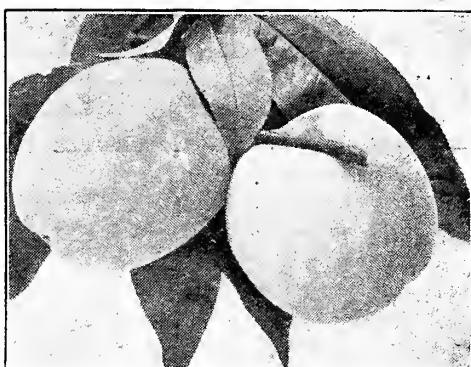
GARBER. Large bright yellow with red dots; juicy and good, splendid for canning. Trees not subject to blight and the fruit ripens just after the Bartlett.

SECKEL. Small, rich, yellowish brown. One of the best and highest flavored pears known. Very productive.



CLAPP'S FAVORITE

Peaches



ALEXANDER

ALEXANDER. (Cling.) Medium size, greenish white, nearly covered with rich red; flesh sweet and juicy. Very productive.

HALE'S EARLY. (Semi-Cling.) Medium greenish white with red cheek; flesh white, melting, juicy. Abundant bearer.

TRIUMPH. (Free.) Medium round, somewhat flattened; greenish yellow, cheek purplish red. Flesh yellow with red stains; juicy and very good. One of the early sorts.



HALE'S EARLY

Apricots

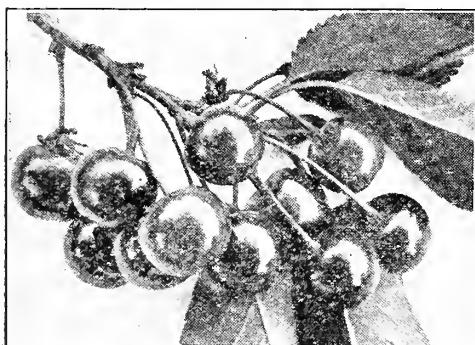
ALEXANDER. (Russian.) Medium to large, light orange, yellow flecked with red; flesh tender, juicy, sweet and good quality; hardy; very productive. July.

BUDD. (Russian.) Medium to large; light orange with blush on sunny side; flesh sweet, juicy with flavor of the peach; hardy and productive. August.

FOR PRICES OF FRUIT ON THIS PAGE SEE PAGE 106

**THE LAW IS SUCH THAT WE CANNOT SHIP
NURSERY STOCK INTO WYOMING**

CHERRIES

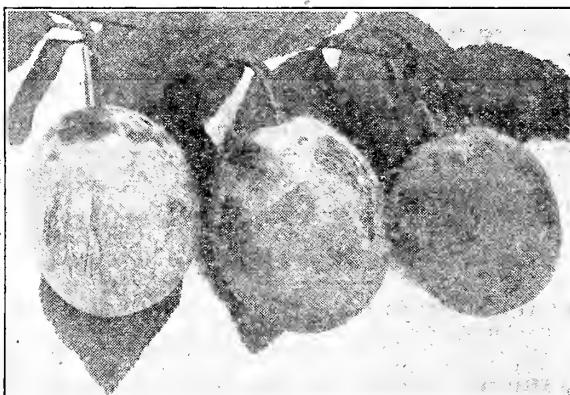


EARLY RICHMOND

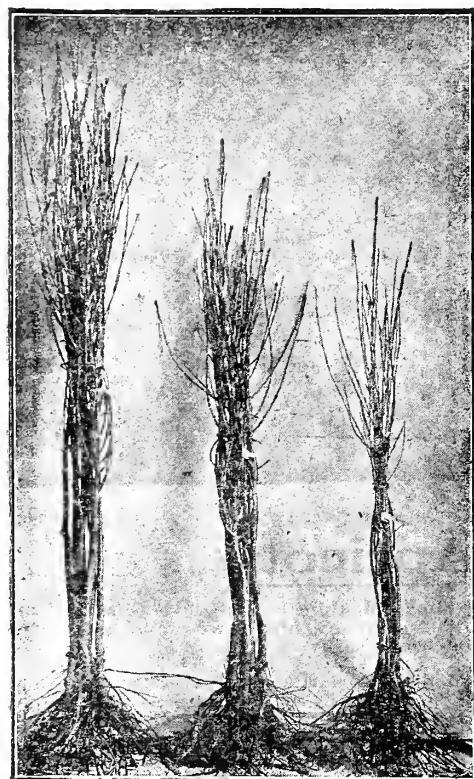
EARLY RICHMOND. (English Pie Cherry.) A well-known old standard variety. Tree is hardy, healthy, a free grower, very productive and regular in bearing. Fruit clear bright red, of medium size, acid, rich and one of the best for canning and for pies. The most popular of the true Kentish Cherries. Ripens in June.

ENGLISH MORELLO. Medium to large, roundish, dark red, nearly black when ripe, flesh purplish red, meaty, juicy. Very productive.

MONTMORENCY. A beautiful, large red cherry, larger and finer than Early Richmond, but fully 10 days later. Being extraordinary prolific and very hardy, it can be highly recommended. Valuable for canning and preserving. One of the best and most popular varieties.



COMPASS CHERRY. Absolutely hardy everywhere. Nearly an inch in diameter, bright red, sweet and juicy and of very fine flavor. The original tree bore fruit the third year from the seed and has borne a full crop every year since. The tree is a regular and heavy bearer and produces fruit the next year after setting out. For exposed situations and for the North and West it is the "Cherry." Requires no protection whatever; in every particular is hardy as an oak.



6-7 ft. 5-6 ft. 4-5 ft.

BURBANK

Plums

HAWKEYE. One of the largest and best plums grown in the Northwest. Fruit large, round, oval, thick skin that bears handling; color dull red over yellow; flesh yellow and of prime quality. Tree hardy and vigorous, bears young and reported everywhere as prolific and regular. A profitable market plum, stands shipping well. Highly valued for fresh fruit and culinary purposes.

WOLF. One of the most popular and widely planted of all our hardy plums. A very rapid grower which comes into bearing when young and is very productive. Fruit large, round to oval; color crimson over orange; free-stone. Flesh yellow, of good flavor and quality. Season August 25th to September 1st.

BURBANK. Medium to large, orange-yellow; dotted with red, flesh meaty, yellow, sweet and good; valuable for canning, hardy and very prolific.

WEAVER. Large, oblong, flattened at ends, dark mottled red with purplish bloom; flesh firm, meaty and very good; a constant and regular bearer and very hardy.

OUR FRUIT TREE PRICES

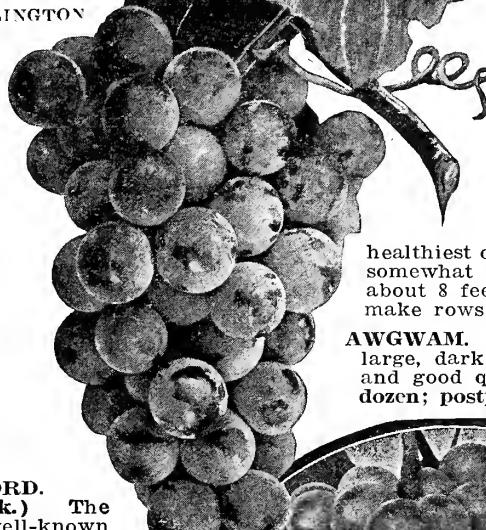
By express at purchaser's expense.

	Size	Per 1	Per 10	Per 100
Apples	5-6 ft.	\$0.30	\$2.85	\$27.00
	4-5 ft.	.20	1.75	15.00
Crab Apples	5-6 ft.	.35	3.25	30.00
	4-5 ft.	.25	2.00	18.00
Apricots	5-6 ft.	.40	3.75	35.00
Cherries	5-6 ft.	.50	4.50	42.00
Compass Cherry	4-5 ft.	.40	3.75	35.00
Peaches	6-7 ft.	.25	2.25	20.00
Pears	6-7 ft.	.40	3.50	32.50
Plums	6-7 ft.	.40	3.75	35.00

THE LAW IS SUCH THAT WE CANNOT SHIP NURSERY STOCK INTO WYOMING

SMALL FRUITS

POCKLINGTON

**CONCORD.**

(Black.) The old, well-known and deservedly popular variety, succeeds wherever grapes can be grown. 10c each; \$1.00 dozen; postpaid. By express, 75c dozen; \$3.75 per 100.

MOORE'S EARLY.

(Black.) Bunch not quite as large as Concords; berries larger and very much like it in flavor and quality. Vine a moderate grower, very healthy and hardy. Produces a fair and, with high cultivation, a heavy crop. Ripens so early as to be nearly out of market before Concord is ripe, and is, therefore, a very popular early market variety. 15c each; \$1.25 dozen; postpaid. By express, 90c dozen; per 100; \$6.00.

NIAGARA. (White.) One of the leading white sorts; bunch large, shouldered, compact; berry large, yellowish white, juicy, vinous and sprightly, quality good; skin tough. Price same as Moore's early.

POCKLINGTON. (Green.) Pale green, usually with tinge of golden yellow where exposed to the sun; bunch large, very compact, very large; flesh juicy, sweet, with considerable pulp. Vine a moderately good grower, but very healthy and very hardy, it buds notwithstanding severe cold even better than Concord. It produces a heavy crop of fine showy clusters. Price same as Moore's Early.

WORDEN. (Black.) Bunch large, sometimes shouldered, compact; berries very large, skin thin. Ripens 5 to 10 days earlier and fully equals Concord in vigor and productiveness. Price same as Agawam.

Grapes

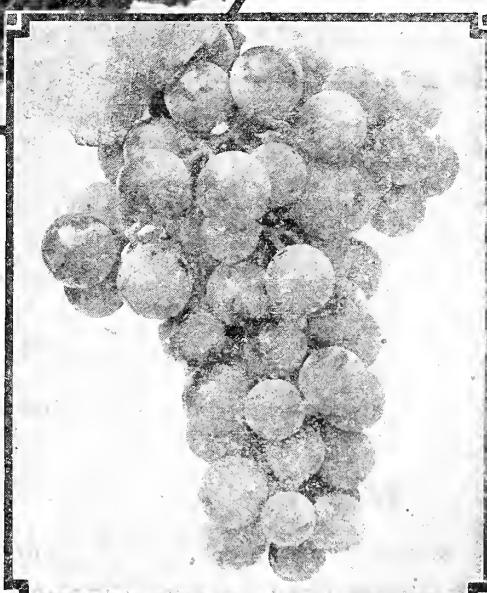
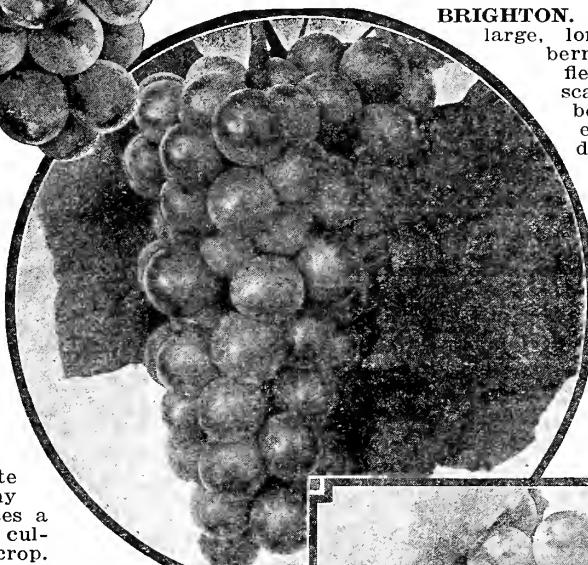
The Law is such that we cannot ship nursery stock into Wyoming

There is scarcely a yard so small, either in country or city, that room for one to a dozen or more grape vines cannot be found. They do admirably trained up to the side of any building, or along the garden fences, occupying but little room and furnishing an abundance of the healthiest of fruit. Make the soil mellow, and plant the vines somewhat deeper than they stood in the nursery. Plant about 8 feet apart by the fence or building. For vineyards, make rows 8 feet apart, 6 to 10 feet in rows.

AWGWAM. (Red.) Bunch large, compact, shouldered, berry large, dark red or nearly black; flesh tender, juicy, vinous and good quality; later than Concord. 12c each; \$1.00 per dozen; postpaid. By express, 75c per dozen; \$5.00 per 100.

BRIGHTON. (Red.) Bunch medium to large, long, compact, shouldered; berries medium; skin thin; flesh tender, sweet, with scarcely any pulp; quality best. Vine a vigorous grower, healthy, hardy and productive; one of the best early red Grapes. The flowers have reflexed stamens, do not always fertilize fully unless planted with Concord, Worden, Niagara or other varieties which blossom at the same time. 15c each; \$1.25 dozen; postpaid. By express, \$1.00 dozen; \$6.00 per 100.

INSECTICIDES
AND SPRAYERS
Pages 114-118



AGAWAM



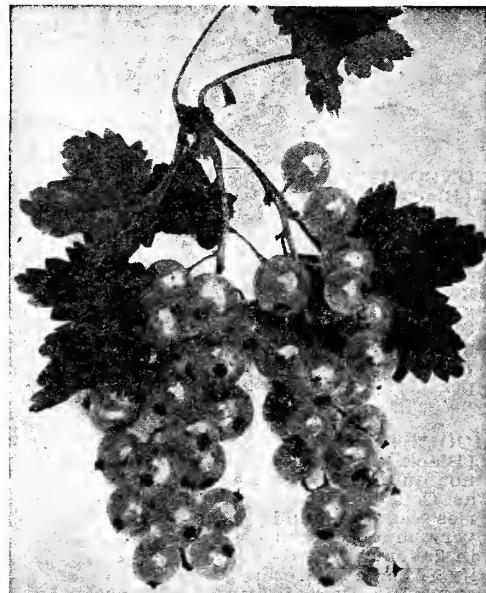
HOUGHTON GOOSEBERRIES

Gooseberries

Plant in good rich soil in rows 5 feet apart by 3 feet in the row, and give a liberal dressing of manure every season. Regular pruning every year is essential for the production of fine fruit. The English varieties especially do best in partial shade and should be heavily mulched. To prevent mildew spray bushes soon as leaves appear and several times during the summer with potassium sulphide or Grape Dust (see page 118), one ounce to four gallons of water.

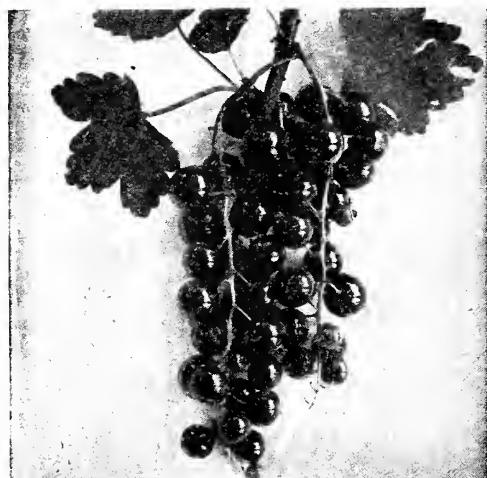
DOWNING. An old and well-known variety. Fruit large and handsome, pale green, of fine quality. A strong, vigorous grower, seldom affected by mildew. One of the best. 20c each; postpaid. By express, \$1.80 per dozen.

HOUGHTON. Fruit small to medium, pale red, of fine flavor. Plants of slender, spreading growth and enormously productive. 15c each; postpaid. By express, \$1.10 per dozen.



WHITE GRAPE CURRANTS

Hardy, easily cultivated, stand neglect well, and liberally responds to cultivation and generous treatment; indispensable for jellies, etc. Set four feet apart in rich ground; cultivate well or mulch heavily; prune out old wood so that each remaining shoot will have room



WILDER CURRANT

to grow. If the currant worm appears dust with hellebore. All plants well rooted and strong.

CHERRY. Berries sometimes more than half an inch in diameter, bunches short, vigorous and productive when grown on good soils and well cultivated.

FAY'S PROLIFIC. The leading market variety; bunches and berries large and uniform in size, easily picked; exceedingly productive.

VICTORIA. Large, bright red; berries medium size, of excellent quality. Erect grower, very productive. Ripens late, a valuable sort.

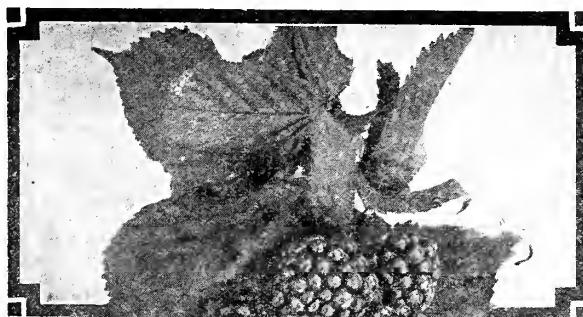
WHITE GRAPE. Very large, yellowish white, sweet or very mild acid. Excellent quality and valuable for the table. Productive.

WILDER. One of the strongest and most productive. Bunch and berries very large, bright, attractive red color, even when dead ripe; hangs on bushes in fine condition for handling until very late. A valuable market sort.

PRICES

All currants 15c each; \$1.25 per dozen; postpaid. By express, \$1.00 dozen; \$6.00 per 100.

THE LAW IS SUCH THAT WE CANNOT SHIP NURSERY STOCK INTO WYOMING

**S N Y D E R.**

Very popular for the Northwest on account of its extreme hardiness; wonderfully productive, size medium, fruit juicy and sweet, canes remarkably strong and thrifty. 10c each; 80c per doz.; postpaid. By express, 45c per doz.; \$3.00 per 100.

Raspberries

Will do well on any soil that will produce a good corn crop. Land should be thoroughly prepared and well enriched; ground borne is one of the best fertilizers. Keep well cultivated and free from weeds and suckers. As soon as they are through bearing, cut out the old wood to give more vigor to the young canes. Plant 3 feet apart, and 5 feet between rows.

CARDINAL. This wonderful berry surprises all by its great growth, extreme hardiness, exceeding productiveness and the unusual richness of its pure flavored, large purple berries. 12c each; \$1.00 per doz.; postpaid. By express, 75c doz.; \$4.00 per 100.

CUMBERLAND. Largest black raspberry known. Perfectly hardy and vigorous grower. For productiveness nothing exceeds it. In quality rich, sweet and luscious; a mid-season variety. Each, 8c; 60c doz.; postpaid. By express, 50c doz.; \$3.50 per 100.

KANSAS. Strong, vigorous, standing extremes of drought and cold, and bearing immense crops. Early berries, jet black and of best quality. 8c each; 65c per doz.; postpaid. By express, 55c per doz.; \$3.50 per 100.

Everbearing Blackberries and Raspberries
Page 111.

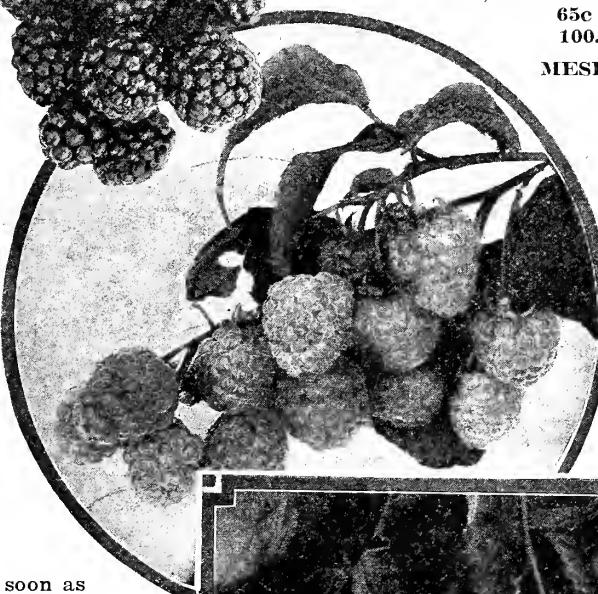
Blackberries

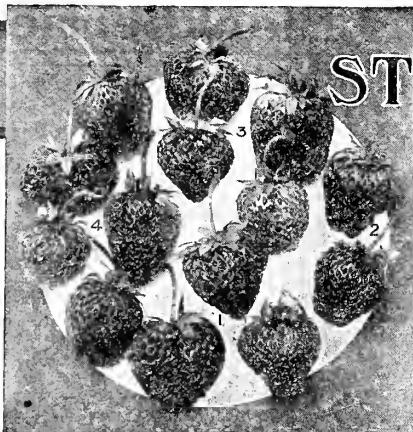
Blackberries are among the best-known and most valued of our berries. No fruit of any kind is more wholesome. A liberal use of berries and other good fruit will save doctors' bills. Blackberries should be planted in rows six or seven feet apart, three to four feet in the row. Keep the ground light, rich and clean, and pinch the canes back when they have reached four feet in height. For garden culture set in rows 4 feet apart, light, rich soil being preferable.

BLOWER. A splendid new sort. Large size, jet black, good shipper, best quality, unexcelled productiveness. 15c each; 6 for 80c; postpaid. By express, 65c per dozen; \$4.50 per 100.

MESEREAU. Berries large, jet black, very productive, sweet, good quality. Fine market sort. 10c each; 90c per doz.; postpaid. By express, 50c per doz.; \$3.00 per 100.

FOR
PRUNING
SHEARS
See Page 122





STRAWBERRIES

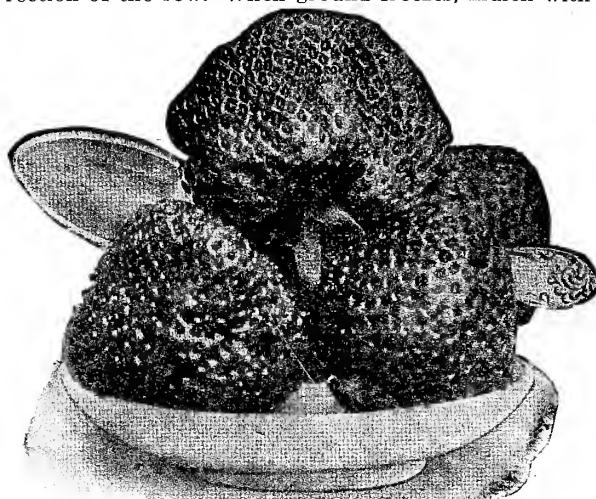
CULTURE. On arrival of plants unpack them at once, loosen the bunches, "heel" them in the ground or dip their roots in a "puddle," made by mixing earth in water until of the consistency of cream, and lay in a cool, damp place until they can be planted. Do not leave in package and pour water over them, as this will surely cause the plants to heat and spoil. To grow large berries and plenty of them fertilizers must be used freely. Ground bone is excellent. Do not plant deep, but press the earth very firmly about the roots. Should the weather be warm, shade for a few days with coarse litter. Cultivate well and keep out the weeds. For field culture plant in rows four feet apart, with plants one foot apart in the row. For garden culture, plant three feet by one foot. Turn runners the direction of the row. When ground freezes, mulch with

light coat of straw. Remove the mulch in the spring and cultivate. (B) Perfect flowers—can be planted alone. (P) Pistillate, imperfect flowers—must have some marked (B) mixed with them, as close as one row in three.

BEDDERWOOD. (B.) This is generally considered to be one of the very best early varieties for home use or market. It is a splendid grower, making a large number of strong runners. It has a perfect blossom and is exceptionally productive. The fruit is of good size, light red, medium firmness and good quality. One of the best to plant with Warfield.

EARLY OZARK. (B.) A very promising strawberry from Missouri. It is a cross between the popular varieties Aroma and Excelsior. The large berries are almost round and bright red in color. The plant is a grand grower with healthy large, dark green foliage, and exceedingly prolific. This variety has been tested here for several seasons and proven very satisfactory. Excellent shipper. 35c per doz.; \$1.35 per 100; postpaid. By express, \$1.00 per 100; \$6.50 per 1,000.

BRANDYWINE. (B.) (See cut.) This variety has proven so satisfactory with all who have grown it that it is consequently in large de-



BRANDYWINE

mand. It is comparatively new and of great value by reason of its productiveness, large size, beauty and good quality, which renders it especially desirable for the home garden. The berries are a glossy crimson, very handsome, firm, solid and excellent in quality with a fine flavor. The plant is remarkably vigorous, hardy and exceedingly productive. It is a mid-season to late variety and is excellent to plant with Warfield. 35c per doz.; \$1.35 per 100; postpaid. By express, \$1.00 per 100; \$6.50 per 1,000.

SENATOR DUNLAP. (B.) Plant resembles Warfield, rampant runner, should be restricted in its production of plants; fully equal to Crescent and Warfield in its ability to succeed under all circumstances. Fruit good size, regular form, beautiful bright red, glossy, firm, splendid, excellent quality, one of the best for canning; ripens early and continues a long time.

WARFIELD. (P.) This variety stands next to the Senator Dunlap, being quite similar in shape and size. However, Warfield is a sour berry and a little deeper in color, thus making it one of the very best for canning. It also holds its color in the cans, which is a very strong point in its favor. While the individual plants are quite small, it is remarkable the number of quarts produced by a lightly matted row on good, strong soil.

Price of all except Brandywine and Ozark:
Per dozen, 30c; \$1.10 per 100; postpaid. By express, 75c per 100; \$5.00 per 1,000.



OUR STURDY PLANTS

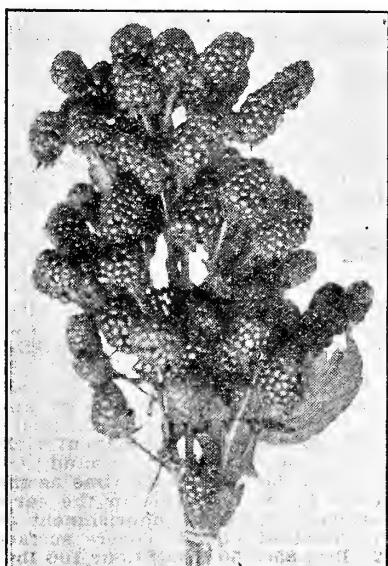


PROGRESSIVE

fruit is medium size, dark red inside and out, blossoms strongly staminate, nearly every one makes a berry. Bloom and fruit well protected by foliage, a most valuable feature. The plants produce more runners and new plants than any variety of fall bearing strawberries we know of. It produces good paying crops in the fall of both the first and second years. Price of all Fall Bearing Strawberries 10c each; 75c per doz.; 25 for \$1.25; postpaid. By express, 25 for \$1.00.; 100 for \$3.50; 500 for \$12.00.

EVERBEARING RED RASPBERRY

ST. REGIS. Plants set early in April gave berries June 20th of the same year, and the canes continued to produce ripe berries freely, until the middle of October. In addition to the bright crimson color and large size of the fruit, it is so firm and rich in sugar that it will stand shipping 200 miles, can readily be kept in perfect condition for several days after being gathered. It succeeds upon all soils, whether light and sandy or cold and heavy clay, and the canes are absolutely hardy.

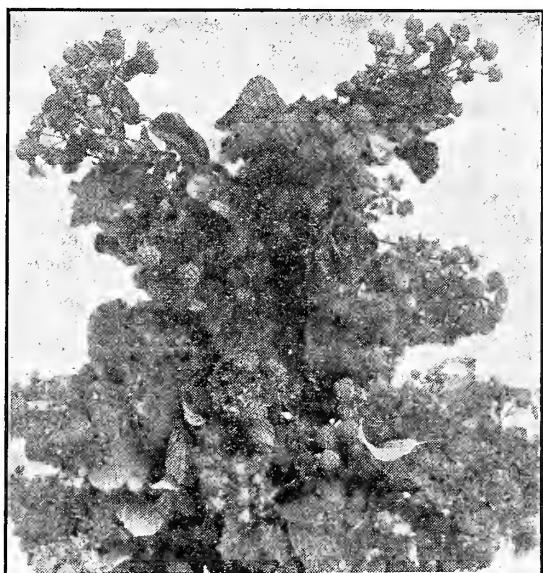


HIMALAYA

FALL BEARING STRAWBERRIES

SUPERB. This is the most wonderful everbearing strawberry ever produced. It is healthy and a strong grower, very productive from May until hard freezing weather. Fruit holds up well in wet weather. Size medium to large, very firm, uniform shape, bright red, thorough and through. Fruit is protected from frost by heavy foliage. The berries literally lay about in heaps, has a native wild strawberry flavor. It has been thoroughly tested and seems to succeed everywhere.

PROGRESSIVE. The fruit and plants closely resemble the Dunlap in appearance. The



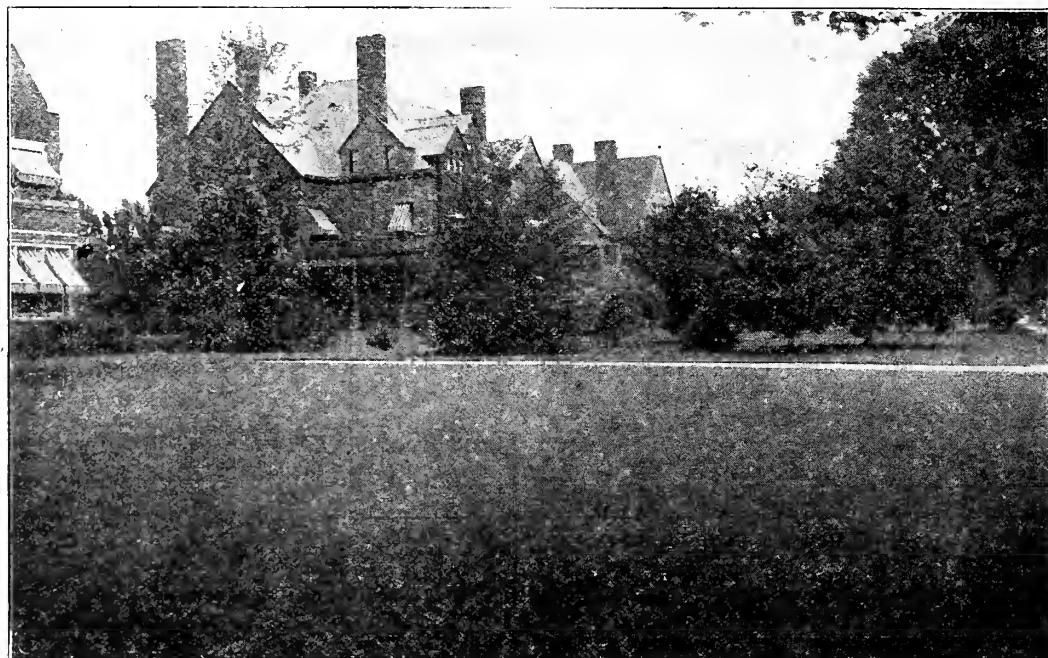
EVERBEARING RASPBERRY

EVERBEARING BLACK RASPBERRY

KING OF CLIFFS. This is a wonderful Black Raspberry and will actually bear fruit from June until killed by frost in the fall. The vines are literally loaded with fruit in all stages, from bloom to ripe fruit. It creates a great surprise wherever grown, for it has no equal and will be appreciated wherever grown. Price of Everbearing Red and Black Raspberries 15c each; \$1.50 per doz.; 25 for \$3.00; postpaid. By express, 25 for \$2.25; 100 for \$7.50; 500 for \$30.00.

GIANT HIMALAYA BERRY

THE GIANT HIMALAYA. This berry is a recent introduction from the northern slope of the Himalaya Mountains, 6,000 feet above sea level. The vine is vigorous, very hardy and makes a growth of 20 to 30 feet in one year. It can be trained on a fence or arbor similar to grape vines. The berries are round and about $\frac{1}{4}$ inch thick, very fine with a tough skin and no core. They are jet black and very handsome. Like Blackberries, they are quite tart before they are fully ripe, but very sweet and rich when matured. They are borne in enormous clusters of large sized berries, which ripen about August 1st and bear until October. Price 12c each; 10 for \$1.00; postpaid. By express, 10c each; 10 for 75c; \$6.00 per 100.



Beautiful Lawns

A rich velvety lawn with a background of Beautiful Ornamental Shrubs enhances the value of a home and gives to it the natural artistic setting that we so much admire. We can furnish all Ornamental Shrubs, Vines and other plants to make your home as beautiful as the above.

TO MAKE A GOOD LAWN. Nothing is more easily made and kept in order by a little well directed care. To get grass seed up quickly and evenly the surface must be mellow and level, with at least six inches of good black soil. Sow one pound of **Griswold Special Lawn Mixture** to every 400 square feet, and rake the seed in and roll well, or use a wide board until soil is uniformly firm. If the soil is clayey, cover the surface with a light coating of our **Lawn Fertilizer**. To keep the lawn beautiful, it must be frequently mowed. In hot, dry weather it is better to mow the lawn and not remove the clippings, as these will gradually form a thin mulch which will hold moisture, and protect the roots from the hot sun. Never water a lawn when the sun is shining brightly upon it. The best time for watering is late in the afternoon or evening.

Lawn Seed

SPECIAL LAWN GRASS MIXTURE. A mixture adapted to our hot, dry climate. It is composed of Blue Grass, White Clover, and several other best lawn grasses. Some of these come early, some grow best during the summer, some grow well in the shade, while others make their growth in the fall. In this way one has green grass the whole season. This mixture will make a rich, deep green, velvety lawn, with a close, thick turf, in a few weeks' time, and one that will last much better than if sodded. One pound covers 400 square feet (a space 20x20 feet) for new lawns, and half this amount for re-seeding

old ones. Per lb., 45c; 5 lbs., \$2.00; postpaid. By freight, 1 lb., 35c; 5 lbs., \$1.50.

FANCY KENTUCKY BLUE GRASS. Best grade of fancy, clean, new crop tested seed. Per lb., 35c; 5 lbs., \$1.50; postpaid. By freight, 1 lb., 25c; 5 lbs., \$1.00; bu. (14 lbs.), \$2.25.

WHITE CLOVER. This is the seed to sow on the bare spots in your yard or lawn where a very quick green covering is desired as it will cover better in ten days' time than grass seed will cover in two months. 85c per lb.; postpaid. By express or freight, 75c per lb.; 5 lbs., \$3.50; 10 lbs., \$6.50.

Lawn Fertilizer

SWARD FOOD. For lawn use, cemetery purposes or public grounds; it is a splendid feeder for turf, and quick in the result. It is free from any unpleasant odor. Its action is quick and lasting. Apply early in the spring to start the grass; it will fairly make it jump for joy. Sprinkled on earth where ornamental or fruit trees have been dug around, it is soon washed into the ground and taken up by the roots, giving beneficial and marked results to fruit and leaf. Vegetables and flowers may be treated with like results. It makes flowering vines of all sorts grow with great rapidity. 5 lbs. (enough for 400 square feet), 25c; by express or freight.

SPECIAL LAWN FERTILIZER. Composed of pulverized sheep manure and chemical fertilizer.

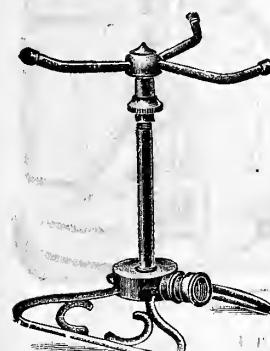
The sheep manure is put through a heating process that not only eliminates the odor and turns it to a fine, pulverized mass, but it also kills all weeds. 100 lbs. (covers 30x30), \$1.75; by freight.

LAWN BONE FERTILIZER. Composed mainly of fine, ground bone. It is clean and dry and furnishes just the desired element for young plants, and gives to the grass a permanent, rich, green color. It can be sown easily by hand. On new lawns it should be sown same time as the seed, and on old lawns any time in the early spring. It furnishes the same nourishment as manure. One hundred pounds covers surface 30x30 feet. 25 lbs., 85c; 50 lbs., \$1.50; 100 lbs., \$2.75; by freight.

Lawn Supplies



BUSY. As the name implies, is always busy. Top, galvanized iron, base steel. Price, postpaid, 80c; not postpaid, 65c.



ANACONDA. One of the best Lawn Sprinklers. Arms can be adjusted to throw the water any distance desired. Price, postpaid, \$1.15; not postpaid, \$1.00.



LAWN ROLLER
15 in., weight
150 lbs.
Price, \$7.50

ANT DRIVER. This is effective against most of the known species, especially the small red and black ant, which are the most troublesome in this country. Price, postpaid, 35c; not postpaid, 25c.

THE IDEAL DANDELION KILLER

This new Dandelion Killer is a tube $1\frac{1}{2}$ inches in diameter and 30 inches long. It has a screw cap at the top for filling and in the bottom is a valve which lets out about one teaspoonful of liquid to each plant. Simply fill the tube with gasoline and you can kill the dandelions as fast as you can walk around over your lawn. Price, postpaid, \$1.15; not postpaid, \$1.00.



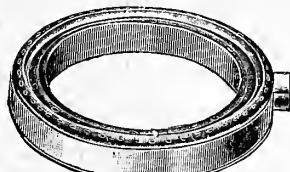
REGULAR GUARANTEED HOSE

Will be replaced if not satisfactory

$\frac{1}{2}$ -in. Griswold's El Capitan, 50 ft. for \$4.50
 $\frac{1}{2}$ -in. Griswold's Panama, 50 ft. for 4.50
 Hose Gaskets (rubber washers), per dozen,

$\frac{1}{2}$ -in. Griswold's El Capitan, 50 ft. for \$5.00
 Hose Menders with Bands, each.....5c
 10c; postpaid.

TUXEDO. A universal favorite. Top brass; base steel. Price, postpaid, 65c; not postpaid, 50c.



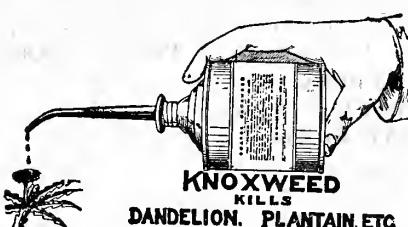
THE "FOUNTAIN" LAWN SPRINKLER

One of the Really Good things. Made entirely of brass. No moving parts. Nothing to get out of order. More beautiful than a fountain; more efficient than a shower. Price, postpaid, 80c; not postpaid, 65c.

PERFECTION. As gentle and even as the rain drops. Top made of brass; bottom heavy galvanized iron. Price, postpaid, 60c; not prepaid, 45c.



JUSTRITE NOZZLE
Regular Hose Nozzles. Price, postpaid, 35c; not postpaid, 30c.



KNOXWEED

Kills dandelions, thistles, plantain and other noxious weeds, that are annoying on lawn or farms. Easy to use and is thorough. Kills all weeds that it comes in contact with. Price, small can, postpaid, 75c; not postpaid, 50c; large can postpaid, \$1.80; not postpaid, \$1.50.

WEED KILLER

This is a preparation to be used on drives, walks, tennis courts, or places that you wish to keep free from weeds. It will kill all kinds of weeds or grass, both top and roots. To be diluted with 50 parts of water. Price, pint cans, 45c; $\frac{1}{2}$ gal. cans, 65c; gal. cans, \$1.00, by freight.

CLEVELAND LAWN WEEDE

A simple working device for ridding lawns of all weeds. Dandelions and Plantains are easily killed by its use. It gets at the root of the evil and removes it bodily. Handle 4 ft. long. Price, postpaid, 75c; not postpaid, 55c.

FULLY GUARANTEED LAWN HOSE

Whalebone Non-Kinkable Hose

Light—Strong—Flexible

An indestructible moulded hose for Lawn, Greenhouse, Stable, Garage. Of braided construction; cannot un warp, kink or burst. Made in continuous lengths up to 500 feet, which gives you any length you want and avoid leaky couplings. Price, $\frac{1}{2}$ -inch size, per ft., 13c; $\frac{3}{4}$ -inch size, per ft., 15c.



Cleveland Weeder

Sprayers

ALL SPRAYERS SHIPPED BY FREIGHT OR EXPRESS AT YOUR EXPENSE

EXTENSION PIPES

8-foot Iron Extension Pipe, 45c; 8-foot Bamboo Extension Pipe, with Cut-off, \$3.00

IMPROVED BARREL SPRAY PUMP

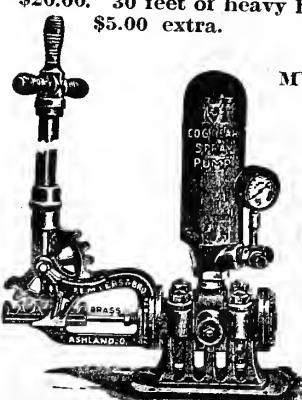


NO. 305

pump keeps the ingredients thoroughly agitated. It sprays whitewash, kalsomine, water, paints and any other liquid. Fitted with 15 feet of best 5-ply rubber hose, and graduated Vermorel nozzle complete as cut (except barrel). Price \$8.80

MYERS' DUPLEX BACK GEARED DOUBLE ACTING SPRAY PUMP

No. R-309. This is built especially for heavy spray work. The 2-inch cylinder is brass-lined. The plunger is brass, hemp-packed, and piston rod is brass. You can use any material, hot or cold. It is fitted with large air chamber pressure gauge, 6-foot bound suction hose, two 8-foot extension pipes, and two Vermorel or Bordeaux nozzles. Can be used on floor or barrel as the motion of handle is either perpendicular or horizontal. Price, \$20.00. 30 feet of heavy hose for \$5.00 extra.



NO. R 309

suction hose, two 8-foot pipe extensions and two power nozzles. No discharge hose. Price, \$53.00.

A SPECIAL PIPE to fit Nos. 27, 329, 307 and for Myers' Knapsack, for spraying under leaves of Musk Melons or Cucumber Vines, 50c each.

O. K. SPRAY PUMP

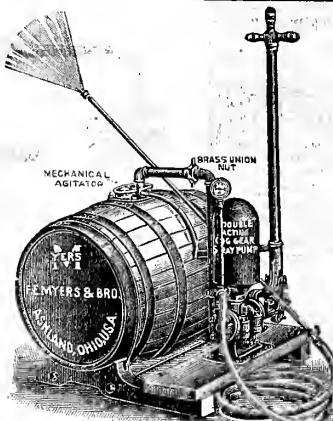
No. 307. For hot, cold or any kind of mixture. Has a mechanical agitator solid brass ram plunger, round bevel valve and seat. A strictly reliable, first-class pump for spraying orchards or potatoes. Easily adjusted to barrel of any size. Handle is of wrought steel, so as to enable the operator to get up a pressure of 200 lbs. or more. It is fitted for 2 strings of discharge hose. Price without hose or nozzle, as cut (without barrel), \$13.65. Two 15-ft. discharge hose and 2 graduated nozzles, \$6.35 extra.

FOR SPRAY MATERIALS

Page 117



NO. 307 O. K.

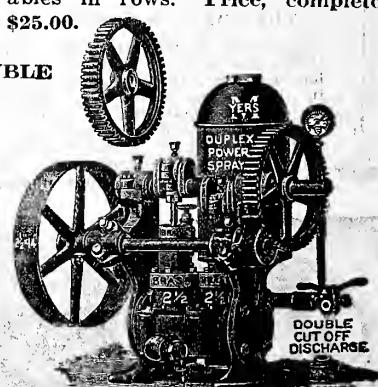


NO. R-316-B

No. R-316-B. This is a pump same as No. R-309 with 50-gal. bbl. mounted on skids with pressure gauge. One 15-foot lead of $\frac{1}{2}$ inch 7-ply discharge hose, 1 Fembro Nozzle, one 8-foot pipe extension with lever shut-off, and mechanical agitator. Special features of this outfit are Cog Gear Movement, Increased Leverage, Device for spraying under heavy pressure. Mounted complete, occupying smallest space. Capacity sufficient for 8 nozzles. Well adapted for spraying potatoes or other vegetables in rows. Price, complete, \$25.00.

MYERS' DUPLEX BACK GEARED DOUBLE ACTING SPRAY PUMP

No. 445. It is built strong for heavy pressure work. The $2\frac{1}{2}$ inch heavy brass plungers have a 3-inch stroke, in the vertical, all-brass cylinders. All working parts that come in contact with the liquid are made of brass. The air chamber is 8×16 inches. This insures a steady pressure when used with large power nozzles. It is regularly equipped with belt pulley. If wanted with gear wheel give size of crank shaft on engine. Fitted with relief valve, pressure gauge, double cut-off discharge, 6 feet of wire-bound



NO. 445

Sprayers—Continued

ALL SPRAYERS SHIPPED BY FREIGHT OR EXPRESS AT YOUR EXPENSE

AUTO SPRAY NO. 1

This machine is especially desirable for spraying insecticides, fungicides, etc., as well as being useful for various household and farm purposes. A few strokes of the plunger into the air chamber will compress enough air to discharge the entire contents of the can and make a continuous spray for nine minutes, or if desired, will throw a single stream 30 feet high. The reservoir holds 4 gallons, but it should not be over two-thirds full of solution ready for spraying. The cylinder is made of galvanized iron and the pump strongly and rigidly made.

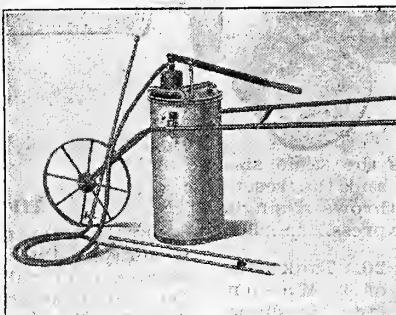
An automatic valve called Auto Pop has been added and machines equipped with this allow an instantaneous discharge, and the spray is in perfect control. We advise ordering with Auto Pop attachment.

Auto Sprayer, galvanized, \$4.50; with Auto Pop, \$5.40. Auto Sprayer Brass Tank,

\$6.75. Extension Rods, 2 feet lengths, 45c.

KANT KLOG

The sprayer holds over 4 gallons. The air pump is made of heavy brass 2 inches in diameter. A safety valve is provided. Special attention is called to the new "Kant Klog." The first and only nozzle ever made which gives both flat and round sprays or solid sprays. A light pressure of the thumb starts the spray instantly. Remove it and the spray stops instantly. Price, Galvanized Steel and 3 feet brass exten-



IDEAL

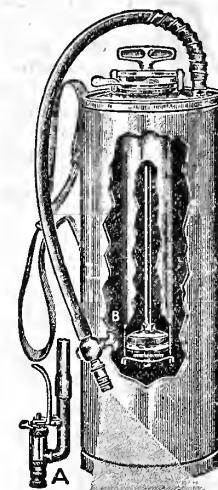
sion rod, \$5.00; Polished Brass and 3 feet brass extension rod, \$6.50.



KANT KLOG

PERFECTION SPRAYER

Built on the best lines, of high grade material and with the idea of turning out a sprayer which has none of the faults and defects so common in many Knapsack sprayers. The hose is attached to the sprayer at an angle so that it will not kink and become cracked and broken. The shoulder strap is attached with snaps and can be quickly and easily removed. The hose is $\frac{3}{4}$ -inch 5-ply cloth inserted and is equipped with our automatic shut-off nozzle. This Sprayer will handle Whitewash, Water Paints, Bordeaux Mixtures, etc., perfectly. These sprayers are made in, galvanized steel or brass as ordered. All sprayers tested to 60 pounds before leaving factory.



PATENTED.
PERFECTION

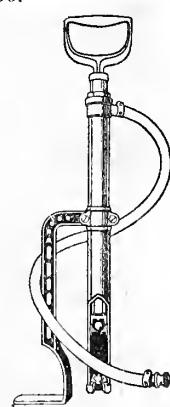
Galvanized Steel.....	\$5.00
All Brass.....	\$7.50

IDEAL SPRAYER OUTFIT

This is just the sprayer for small fruit, small orchard, and an ordinary size patch of potatoes. The tank is made of galvanized iron and holds 15 gallons. The extension pipe can be held and pump worked with one man. The iron pump is equipped with a large air chamber which maintains the uniform pressure. It has a mechanical agitator and brass ball valves. It is complete with 10 feet $\frac{3}{4}$ -inch pressure hose; 10 feet of extension pipe in 3 pieces; and a Brandt Ideal Nozzle. Price, \$18.00.

MODOC

This pump is all brass except the foot piece and handle. The cylinder and plunger are made of heavy, seamless brass tubing. The plunger is hollow, thus forming an air chamber which insures a steady flow of liquid and is packed in cotton wick and can be quickly changed when necessary. The valves are brass balls. The foot piece holds the pump firm in the bucket or pail in just the proper position for work. The pump is equipped with 3 feet $\frac{1}{2}$ -inch hose attached with clamps. Price, \$2.75.



MODOC

Spray Mixtures

ALL OF THESE GOODS BY FREIGHT OR EXPRESS AT YOUR EXPENSE UNLESS POSTPAID
PRICES ARE GIVEN

ARSENATE OF LEAD



S. W. Brand Arsenate of Lead is more sticky than any other insecticide, and is used where it is desirable that the poison should remain on the foliage. It positively will not burn. Use two pounds of Arsenate of Lead to 50 gallons of water. We sell only the best. Price, 1 lb., 30c; 2 lb., 55c; 5 lbs., \$1.25; 12½ lbs., \$2.25; by express.

KEROSENE EMULSION

This is a safe and sure remedy to kill all sucking insects, that is those which get their nourishment through a proboscis, which they insert into the leaves or bark. Price, qt., 55c; gal., \$1.10; by express.

WHALE OIL SOAP

It effectually destroys the mealy bug and almost all lice on indoor and outdoor plants. Simply make a suds and spray the plants with it. Price, 1 lb., postpaid 30c, not postpaid 20c; 5 lbs., by express, 80c.



TOBACCO DUST

One of the best remedies for green and black aphis, fleas, beetles, etc., also for insects in the ground. Price, 1 lb., postpaid 20c, not postpaid, lb., 10c; 5 lbs., 35c; 10 lbs., 60c; 50 lbs., \$2.50; 100 lbs., \$4.50.

BORDEAUX MIXTURE



In pulp, add 49 gallons of water to each gallon of Bordeaux Mixture and spray all fruit trees before buds are open and again after the fruit has set. Potatoes will yield twice as much if sprayed with this mixture and Paris green or Arsenate of Lead. Price, pt., 25c; qt., 40c; 5 lb. jars, 70c each; 25 lb. steel cans, \$2.75; by freight or express.

QUICK BORDEAUX

In making a Bordeaux Mixture some people prefer to have the lime and copper sulphate in a dry state. To supply this demand we furnish this Quick Bordeaux in 10 lb. bag, 4-6-50 formula (enough for 50 gallons of mixture). Price, 90c per 10-lb. bag.

SULPHO-TOBACCO SOAP

Is a powerful agent for the destruction of all bugs and insects. Of special value for spraying roses, shrubs and vines. One or two applications will rid plants of the pests. Full directions with each cake.

3-oz. cake makes 1½ gallons, 14c; postpaid.

8-oz. cakes makes 4 gallons, 29c; postpaid.

10-lb. cake makes 80 gallons, \$3.00; by express, your expense.



LIME-SULPHUR SOLUTION

Use one gallon to make twelve gallons of liquid for strongest use, or 24 gallons for summer spraying. For San Jose Scale spray every part of the trunk and branches after leaves are off in the fall and the tree is dormant, using one part to ten of water. Then again in the spring before the leaf buds open. Better make two sprayings of it if you can, about two weeks apart. Price, qt., 30c; gal., 75c; 5 gal., \$2.25. Ask for price in larger lots.

BUG DEATH

This is a powder used for killing any bug or worm that eats the foliage or flowers of any plant. It is absolutely harmless to plant or animal life, thus making it a safe poison. Can be used dry or with water. For best satisfaction should be used when the tender shoots first come. Price, 1 lb. package, postpaid 20c, not postpaid 15c; 3 lb. pkg., not postpaid, 35c; 5 lb. pkg., 50c; 12½ lb. pkg. \$1.00.



Insecticides

ALL OF THESE GOODS BY FREIGHT OR EXPRESS AT YOUR EXPENSE UNLESS POSTPAID. THE POSTAGE AND FREIGHT CHARGES ARE PAID PRICES ARE GIVEN.



CUT WORM KILLER.

We now offer STERLINGWORTH CUTWORM KILLER as a preparation, which is quick and sure in effect and non-poisonous to animals. It is so alluring to Cut Worms that they are irresistibly attracted to it and eat it in preference to any vegetation. Dead Cut Worms may be seen wherever there are Cut Worms and Sterling Cut Worm Killer has been used. To protect plants in hills, sprinkle a small quantity of Killer around the plant. When in rows, sprinkle both sides of row. Never sprinkle the plants with Sterlingworth Cut Worm Killer, for the worm will climb for it and is likely to destroy the plant in reaching the Killer. Order Sterlingworth Cut Worm Killer when you buy your seeds and have it on hand ready for use at the right time. The cut worm does most of his damage in one or two nights and he will not wait for you. One pound is sufficient for 175 plants when in hills and 100 lineal feet when in rows. Satisfaction Guaranteed or Money Refunded. It is a coarse powder for sprinkling near the plants to be protected. Chickens and birds are not poisoned by it if they eat the dead worms. There is no guess work about it doing the business.

Price, 1 lb., postpaid 35c, not postpaid 25c; 5 lbs. not postpaid \$1.25; 25 lbs., \$4.00; 100 lbs., \$12.00.

SLUG SHOT

Just dust it lightly on the plants. It kills potato bugs, cabbage worms, melon, squash and cucumber bugs. Non-poisonous and harmless to all creatures except insect life. Price, 1 lb. can, postpaid 25c, not postpaid 15c; 5 lbs. not postpaid 40c; 10 lbs., 75c.



GOPHERGO

(Machine Poisoned Raisins)



It will exterminate gophers, squirrels, prairie dogs, rabbits, and is the only prepared poison that will get a gopher. The government advises poisoning as the most effective and best method of exterminating ground pests, but it must combine three points: An attractive bait, thoroughly poisoned, placed where they will get it. Gophergo does it. Try it, if it doesn't do the work we return your money. Price, 1 lb. can, postpaid 35c, not postpaid 25c; 1 1/2 lb. can postpaid 65c, not postpaid 50c; 3 1/2 lb. can not postpaid \$1.00; 9 1/2 lb. can \$2.50.

RAT CORN



If you have Rats or Mice use Rat Corn. No matter whether you have one rat or a thousand, Rat Corn will do the work. One can of Rat Corn is better than a dozen cats. It mummifies your rodents; they leave no odor; become hard and dry like leather. It is not dangerous to handle. Harmless to human beings. Price, 25c, 50c and \$1.00; postpaid.

GRAPE DUST

Kills Certain Mildews and Blights on Flowers or Fruits, Roses, Chrysanthemums, Violets, Grapes, Gooseberries, etc. Grape Dust is a readily fusible, light-weight powder (Fungicide), very efficient in destroying Mildews and in preventing Blights; also for destroying the Aphis and Black Fly. Against Mildews on Cranberry, Cucumber, Gooseberry, Powdery Mildew of the Grape, Musk Melon, Onion Smut, Rust Mite on the Cabbage, Rust or Mildew on Parsley and on any plant, Grape Dust is a practical, economical and usually effectual remedy. The application is to be made by dusting the diseased portions of the plant. To be thoroughly effectual it must be applied reasonably frequent, as atoms of fungi are always spreading or floating. Apply Grape Dust at the first appearance of trouble, so that some portion of this powder shall reach each minute spore. Apply with bellows, raising a cloud of dust, on a warm, dry day, if practical. It is sold in 1-lb. cartons, 5 and 10-lb. packages; also in 25-lb. bags, 100-lb. kegs, and barrels of 225 lbs. net. Price, 1 lb. can with perforated top, 20c postpaid; not postpaid, 1 lb., 15c; 5 lbs., 40c; 10 lbs., 75c.

Iron Age Garden Implements

GARDEN IMPLEMENTS ON THIS PAGE SHIPPED BY FREIGHT OR EXPRESS AT YOUR EXPENSE

NO. 6. COMBINED DOUBLE AND SINGLE WHEEL HOE, HILL AND DRILL SEEDER. Packed wt. 57 lbs., price \$12.00.



No. 6. Complete (like cut).....\$12.00
No. 7. As a Hill and Drill Seeder only.....9.00

NO. 12. WHEEL PLOW AND CULTIVATOR
The tools are of the best steel and malleable iron.
Price.....\$3.50



NO. 19. WHEEL PLOW AND CULTIVATOR
The wheel is made of steel, 24 inches high, and is very strong. The tire is 1 inch in width. The frame is made of steel throughout. The handles are made of best oak.

Price complete with
5 tools.....\$3.25

NO. 1014 E. P. COMBINED HARROW AND CULTIVATOR



Price with lever expander as in cut, \$5.00.

NO. 1007. E. P. SEVEN TOOTH CULTIVATOR.
Price, as in cut.....\$5.20



ASK FOR SPECIAL IRON AGE CATALOGS
OF HAND TOOLS, HORSE TOOLS, SPRAYERS.
POTATO PLANTERS AND DIGGERS.

NO. 4. COMBINED HOE AND SEED DRILL



No. 4 same size and same tool
as No. 6, but does not drop
in hills.....\$11.00
No. 5. As a drill only.....8.00

NO. 600. E. P. HORSE HOE



Complete (like cut), \$6.25.

NO. 1. DOUBLE AND SINGLE WHEEL HOE



Packed weight, 40 lbs.

No. 1. Complete (like cut), 10 tools.....\$7.00
No. 3. Side Hoes only, 2 tools.....4.25
No. 13. Side Hoes and Teeth, 6 tools.....5.50

DIXIE ONE-HORSE CULTIVATOR

Steel frame
and teeth.

\$3.90



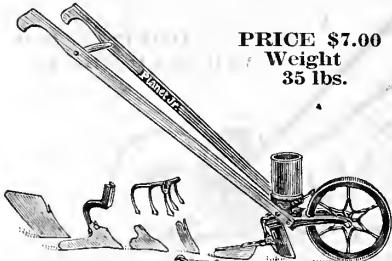
SUPERIOR NO. 2

In this plow the center of weight falls directly over the pivoting point, making it self-balancing. Height of wheel, 24 inches. Price, with 5 steel tools as in cut....\$2.50



Planet Jr. Garden Tools

NO. 31 PLANET JR. COMBINED DRILL, SEEDER, WHEEL HOE, CULTIVATOR AND PLOW



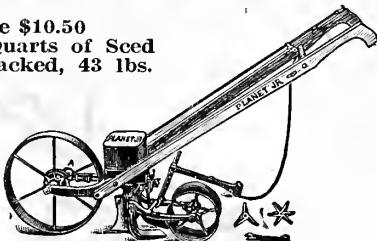
PRICE \$7.00
Weight
35 lbs.

New this year. An accurate seeder and a first class single wheel hoe at a low price.

NO. 3 PLANET JR. HILL AND DRILL SEEDER

Price \$10.50
Holds 3 Quarts of Seed
Weight, packed, 43 lbs.

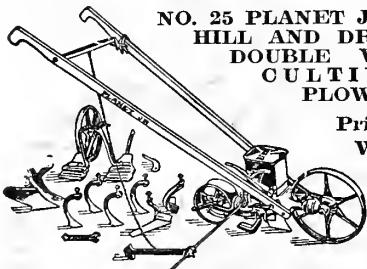
A favorite among onion growers, market gardeners and seedmen.



The hill dropping is simple and reliable; making hills either 4, 6, 8, 12 or 24 inches apart. Changes of distance between hills may be made in less than a minute, by substituting one gauge wheel for another.

NO. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW.

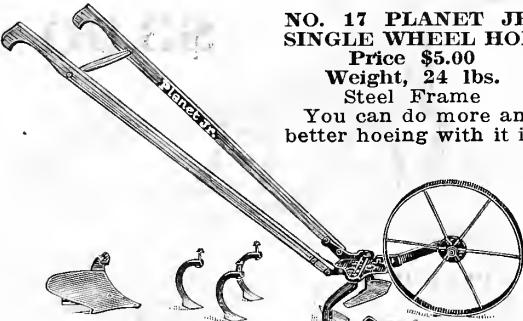
Price, \$13.50
Weight, packed,
61 lbs. Holds
2½ Quarts
of Seed.



The simplicity of this tool, both as a seeder and as a wheel hoe, makes the combination thoroughly practical. Two acres a day can easily be worked with this implement, and when it is done, it will be a better job than several men could have done in the same time with hand hoes.

NO. 17 PLANET JR. SINGLE WHEEL HOE
Price \$5.00
Weight, 24 lbs.
Steel Frame

You can do more and better hoeing with it in



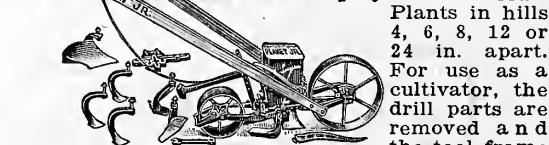
one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth—an outfit sufficient for most garden work.

NO. 13 DOUBLE WHEEL HOE

Price, \$4.75. Weight, 28 lbs. 6-inch hoes only.

NO. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW

Price, Complete, \$11.00
Weight, 50 lbs.
As a Seeder Only, \$9.00
Holds 2½ Quarts of Seed



Plants in hills 4, 6, 8, 12 or 24 in. apart. For use as a cultivator, the drill parts are removed and the tool frame

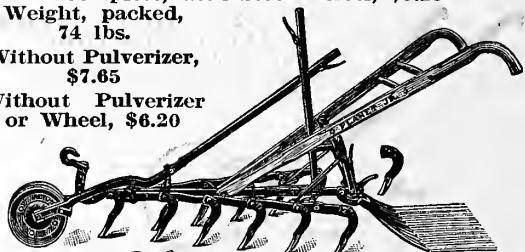
substituted by changing but one bolt; it is then a perfect single wheel hoe, with a variety of tools, and a rapid change frame, with side extension for hoeing both sides of a row at one passage.

PLANET JR. TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER

Complete, with Steel Wheel, \$9.25
Weight, packed,
74 lbs.

Without Pulverizer,
\$7.65

Without Pulverizer
or Wheel, \$6.20



Gardeners cultivate better than formerly. It has been found to pay best. With the Twelve-Tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake.

NO. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW. Price, \$7.00.
Weight, 33 lbs.



We offer these Wheel Hoes as the highest type of their class. They have a great variety of tools which adapt themselves to a

large variety of work, and there is scarcely any garden culture of which they are not capable.

NO. 103 PLANET JR. COMBINED HORSE HOE AND CULTIVATOR

Price \$7.00. Weight, 60 lbs.

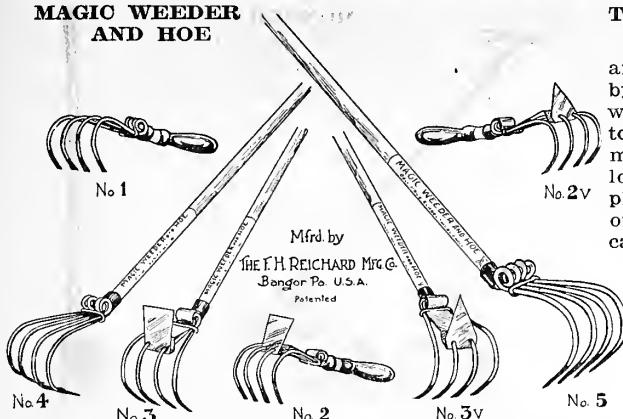
No other cultivating machine is so widely known as the Planet Jr. Combined Horse Hoe



and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

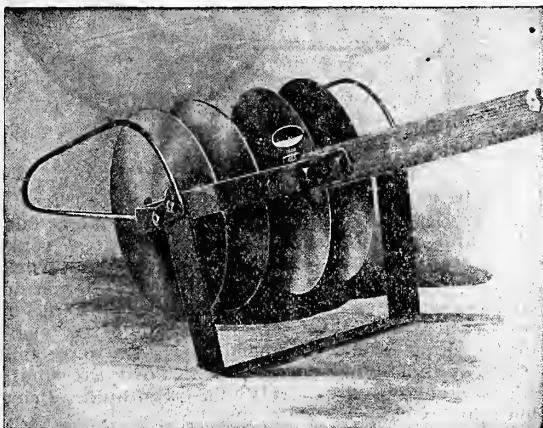
NO. 17½ PLANET JR. SINGLE WHEEL HOE
Price \$4.50. Weight, 21 lbs.

The pair of 6-in. hoes, three cultivator teeth and leaf lifter go with it, are all the finest of their kind.

MAGIC WEEDEER
AND HOE

The best garden tool on the market. It does the work with half the labor, saving both time and strength. The tongs are formed so as to enter the ground the same as a garden plow, lifting and pulverizing the soil, leaving a dust mulch, thereby holding the moisture, which is so essential to the rapid growth of young plants. From the picture you get an idea of the different styles.

No. 1. Postpaid, 40c; not postpaid, 30c.
 No. 2. Postpaid, 50c; not postpaid, 40c.
 No. 2-V. Postpaid, 50c; not postpaid, 40c.
 No. 3. Postpaid, 80c; not postpaid, 65c.
 No. 3-V. Postpaid, 80c; not postpaid, 65c.
 No. 4 Postpaid, 67c; not postpaid, 50c.
 No. 5. Postpaid, \$1.00; not postpaid, 75c.



PERFECTION

in a hot bed or green house. Hopper holds 1 pint. The machine is made just as good as the larger ones. Index

shows how to set. Can probably be attached to your own cultivator.

Drill only.....	\$3.00
Price, Cultivator.....	\$3.00
Special price, complete.....	\$5.90

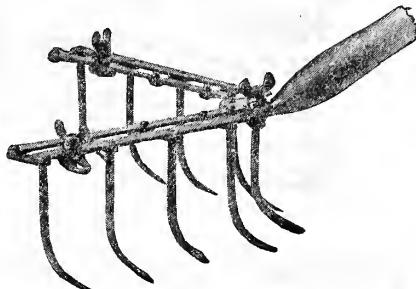
NO. 20 HOE

This cultivator has 5 combined tools, as shown in cut. Is light, yet strong. All tools made of steel as hard as a saw and nicely polished. Strong, tangent spokes, 24-inch wheel.

MIDGET DRILL

THE PULL-EASY GARDEN CULTIVATOR

This handy little garden tool is adjustable to any width. A patented groove slide, secured by handy thumb screws, allows the working width of the cultivator to be varied from 7 to 18 inches. When the plants are young, the middle tooth can be removed by the simple loosening of a thumb screw, allowing the plants to be straddled and two rows worked at once. When spread out to its full width it can be used as an ordinary rake. Since it serves as both a rake and a cultivator it can be put to many uses about the yard or garden. Length of handle is 4½ feet. Price, \$1.00; by express.



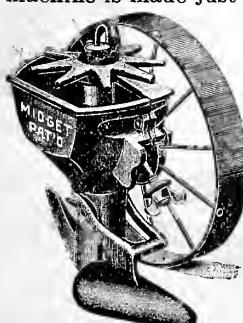
PERFECTION

The Newest Garden Cultivator. The new Disc and Knife Weeder and Mulcher is the final evolution in hand cultivators. It excels and supersedes all. A child can work it. It has no attachments, is complete in itself. The stiff wire leaf guards keep the tops of the plants away from the discs. It can be worked in gravel soil, through sticks and coarse straw or stubble of any kind. In stony land it works as well as in the softest loam. Price, \$3.50 each; by express.

A NEW MIDGET DRILL

Sows All Seed

This is just the drill for the little garden. It stands about 8 inches high and will sow a 5c package of seed just as well as larger amounts. Can be attached to a wooden handle and used



Attach It to
Your
Cultivator
No. 20 Hoe
Weight, packed
26 pounds

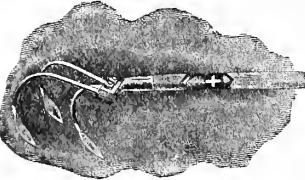


MIDGET DRILL AND HOE

"NORCROSS" MIDGET WEEDER

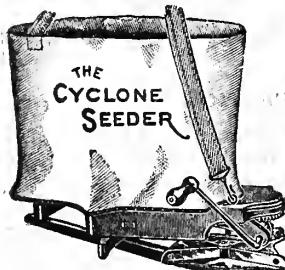
Weight 12 oz. 9-inch handle.

For flowers, low shrubbery and gardens. Unlike cheap made malleable weeders — has detachable steel prongs and same quality and finish as cultivator hoes. Price, postpaid 35c; not postpaid 25c.



LANG'S HAND WEEDEER HANDIEST TOOL ON EARTH.

Price, postpaid, 35c; not postpaid, 25c.

**CYCLONE SEEDER**

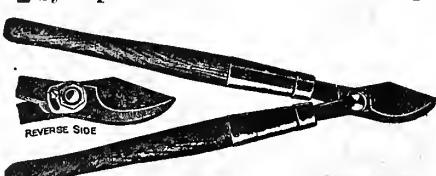
Simple in construction and easy of operation; has automatic regulator and cut-off, and performs its work perfectly. It is practical. Price, \$1.65; by express.

LITTLE GIANT SEEDER

Will sow anything broadcast and do it right. Price, \$1.75; by express.

**HEDGE SHEARS**

Cast steel, notched, hand finished and burnished handles. 8-inch \$1.35; 9-inch \$1.60; 10-inch \$1.90; by express.

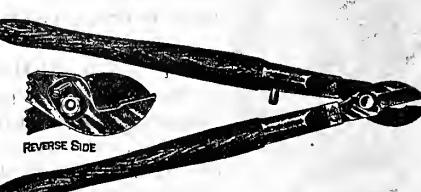


NO. 136 PRUNER. The best grade of forged steel. Handles 22 inches long. Price, \$2.00; by express.

PRUNING SHEARS, 9-inch forged steel, polished blades,



volute spring. Price, postpaid, 80c; not postpaid, 65c.



NO. 9 PRUNER. A good grade of steel, with polished blades. Price, \$1.00; by express.

MONOGRAM

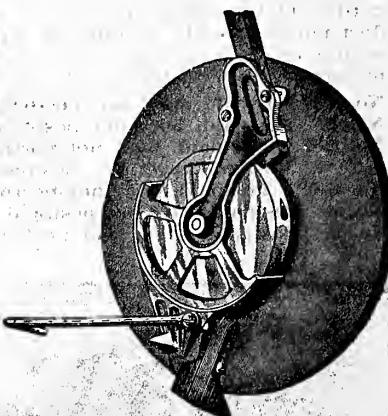
14-inch steel wheel, steel tools. Price, \$1.75



TUBULAR HAND POTATO PLANTER. Price, \$1.25; by express.



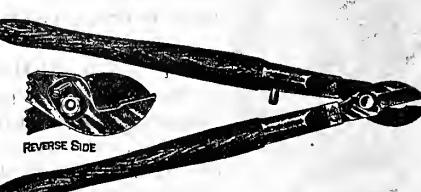
ACME HAND POTATO PLANTER. Price, 80c; by express.

**EUREKA SEED DRILL**

It will sow and cover Beets, Cabbage, Carrots, Celery, Lettuce, Onions, Radishes, Spinach, Turnips, and all such seeds with the greatest regularity, much better and faster than hand work. It is not a toy, but a strong, practical machine. Of course, when you have a large garden you will want our Iron Age Drill, but for a few vegetables the Eureka is superb. It is the only machine suited to sow in a hotbed. Sows the smallest packet of seeds as well as a large bulk. Price, 80c; by express.

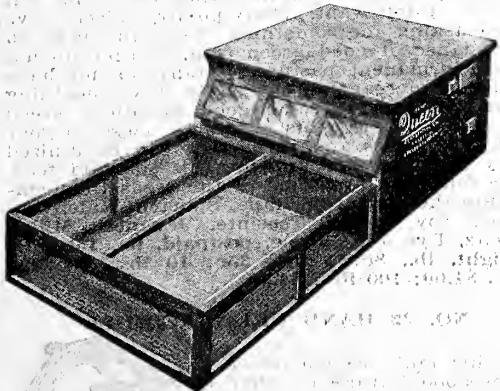
**WATERS' TREE PRUNERS**

Has cast steel blade, single. Wood pole, 6-foot handle, 75c; 8-foot handle, 90c; 10-foot handle, \$1.00; by express.



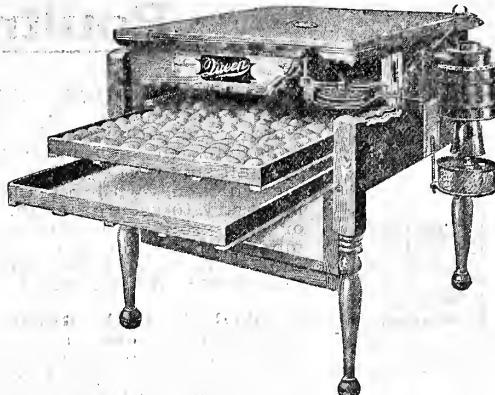
Incubators

For a dependable hatcher that will operate under varied conditions with uniformly good results, the Queen Incubator is unexcelled. We can highly recommend this machine and guarantee it to do all that is claimed for it, and judging from the enviable reputation it has established for itself, it surely is making good.



Outdoor Lamp-Heated Brooders

No. 10, 125-chick size.....	\$16.00
No. 11, 165-chick size.....	18.00
No. 12, 250-chick size.....	20.00



QUEEN PRICE LIST

Incubators

No. 1, 75-egg size.....	\$14.00
No. 2, 125-egg size.....	18.00
No. 3, 165-egg size.....	22.00
No. 4, 250-egg size.....	26.00
No. 5, 375-egg size.....	34.00
No. 25, 500-egg size.....	44.00

Brooders

For a mother that is always on the job the Queen Brooder has no equal. Made in all styles, both indoor and outdoor, lamp-heated and lampless, sizes 50 to 200 chick. Every brooder is guaranteed and fully equipped, ready for business when you receive it. Hatch your chicks in a Queen Incubator, raise them in a Queen Brooder, to get the most profit from your poultry yard.

Write for big complete illustrated catalog.

Buckeye Incubators

Sold on 40 Days' Trial

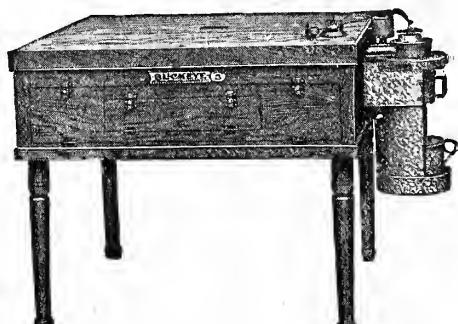
With an Absolute Guarantee TO HATCH EVERY HATCHABLE EGG

The Most Wonderful Hatching Device Ever Invented

Whether you are a beginner or a big breeder, we want you try a Buckeye—any of the different sizes, and see just how easy it is to produce a big strong chick from every hatchable egg. Whether you own a lot of incubators or never saw one before—you get the same guarantee and 40 days' trial. You must get a chick from every hatchable egg the first time you try it or back to the factory it goes.

Select the incubator you want—send us your order—and we will guarantee the machine you buy to hatch every hatchable egg you put in it—or better still—let us show you a Buckeye in operation and prove to you that they will hatch more chicks and better chicks than any incubator or old hen you ever owned.

On the market 25 years. Nearly half a million in successful operation. Ask for a big "Buckeye" Catalog.



BUCKEYE PRICE LIST

No. 14, capacity 60 eggs.....	\$ 7.50
No. 15, capacity 60 eggs.....	9.50
No. 16, capacity 110 eggs.....	12.50
No. 2, capacity 175 eggs.....	22.50

Poultry Supplies



GRISWOLD'S CHICK FOOD. This food consists of millet, wheat and other seeds, grit, bone, etc., in such proportions as shall supply the young growing chickens with all that is necessary to secure health, vigor and growth. Is not only a money maker but saves much time in feeding. 8 lbs., 25c; 50 lbs., \$1.35; 100 lbs., \$2.50.

GRISWOLD'S DRY MESH. Is composed of corn meal, bran, oil meal, shorts, alfalfa meal and beef scraps in just the right proportions for laying hens. It is also very good for young chickens after they are about six weeks old. It should be fed in dry hoppers and kept constantly before the fowls. 10 lbs., 25c; 50 lbs., \$1.00; 100 lbs., \$1.90.

GRISWOLD'S SCRATCH FOOD. From 15 to 20 kinds of seeds and grains especially good for grown fowls. Do not confuse this with screenings. This has no waste whatever, no grit. 12 lbs., 25c; 50 lbs., \$1.00; 100 lbs., \$2.00.

BEEF SCRAPS. For laying hens may be mixed one part meal scraps to three parts crushed grain, bran or shorts. Wet with hot water, or skinned milk, preferred. Feed night and morning. 7 lbs., 25c; 50 lbs., \$1.75; 100 lbs., \$3.35.

BLOOD MEAL. This is pure, rich, dried blood. Very fine for incubator chicks, as it prevents loss from breaking down or leg weakness. Good to start hens laying. Feed one part blood meal to fifteen parts of mash. 6 lbs., 25c; 50 lbs., \$2.00; 100 lbs., \$3.75.

ALFALFA MEAL. Made from green, kiln-dried alfalfa hay and is 2 to 3 times more valuable than clover meal. Good for chickens or stock. 12 lbs., 25c; 50 lbs., 80c; 100 lbs., \$1.40.

ALFALMO MEAL. Same as alfalfa meal except that it is mixed with syrup, a decided addition. 12 lbs., 25c; 50 lbs., 80c; 100 lbs., \$1.40.



CRY-S-CO. A shell producer and grit in one. It is the crystallized moluscan shell formation or petrified shell, nature's own product, and is mined and crushed coarse, medium and fine for the great American hen. 17 lbs., 25c; 50 lbs., 50c; 100 lbs., 85c.

CRUSHED SHELLS. If you expect your hens to lay eggs you must furnish them with something to make shell. 17 lbs., 25c; 50 lbs., 50c. Clam shells, 75c per 100 lbs.; Oyster shells, 85c per 100 lbs.

POULTRY BONE should be kept before poultry of all classes, at all times, especially where egg production is desired. They will be the best judges as to the amount they want. Young chickens should be permitted to get it at their pleasure. Large, medium chick and meal. 7 lbs., 25c; 50 lbs., \$1.50; 100 lbs., \$2.85.

CRYSTAL GRIT. Not only your large fowls, but your small chickens must have grit. Most so-called chicken cholera is simply indigestion caused by lack of grit with which to grind the food. Large, medium and chick. 17 lbs., 25c; 50 lbs., 50c; 100 lbs., 85c.



CHARCOAL. This is a most excellent ingredient to mix with mash. 5c per lb.; 6 lbs., for 25c.

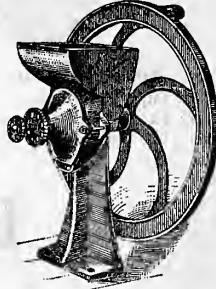
TOBACCO DUST. Sprinkle it around the chicken house and nest. It keeps away the lice. 10c per lb; 5 lbs., 35c; 10 lbs., 50c; 100 lbs., \$4.00.

SULPHUR. 10c per lb.; 3 lbs., 25c. Ask for prices in large lots.

GRISWOLD'S CHICKEN PASTURE MIXTURE. A Cheap Green Feed for Chickens. This will fill a long-felt want. Many poultry raisers have been asking for something that will make an abundance of good green feed, as they do not have permanent pastures. Many do not have sufficient acreage, but wish to sow something that will provide some good nutritious green feed. There are plots of ground close to your chicken houses and yards that can be utilized very profitably for growing this splendid feed. The following are some of the seeds that constitute the mixture: Rape, Spinach, Kale, Cow Peas, Soy Beans, Teosinte, Japanese Millet, Speltz, Rye, etc. Price, postpaid, lb., 15c. By freight, lb., 8c; 5 lbs., 35c; 10 lbs., 60c; 20 lbs., \$1.00; 100 lbs., \$4.50.

NO. 32 HAND GRINDING MILL

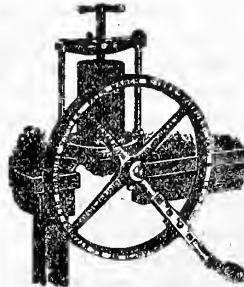
In this mill are embodied all the good features of other hand grinding mills, to which have been added universal burrs or grinding plates that are adjustable for grinding coarse or fine. This machine grinds oats, barley, rye, corn, peas, dry bone, shells, etc., for feeding to poultry. It is a well designed machine, is strong and well made throughout and of excellent finish, has a 16-inch fly wheel, and is light running. The capacity of this mill is not equalled by any other of the same size. Shipping weight 40 lbs. Capacity, 1 to 2 bushels per hour. Price, \$4.00.



MODEL MILL

Capacity $\frac{1}{2}$ to 1 bushel. Similar but not as good as above. Price, \$2.50.

STEARNS' BONE CUTTER



It has automatic feed; is self-cleaning; is the fastest fine cutting machine on the market; will stand more wear and tear; is least liable to get out of order; is the Only Bone Cutter that will not clog with gristle or meat. Price, \$9.00.

ALL OF THESE GOODS BY FREIGHT OR EXPRESS AT YOUR EXPENSE UNLESS POSTPAID PRICES ARE GIVEN

Poultry Supplies—Continued

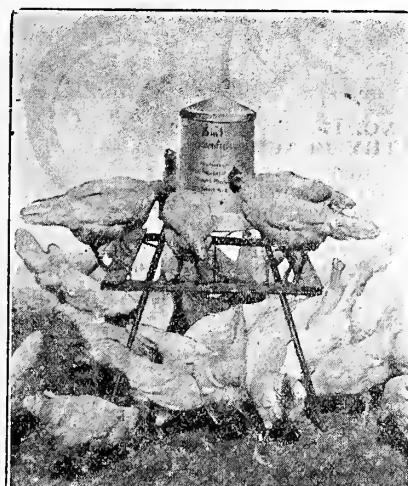
International Sanitary Hovers

The International Sanitary Hovers have stood every climatic test from Panama to Quebec. Practical Poultrymen, state experiment stations, and poultry judges endorse them. You can raise chicks anywhere with International Sanitary Hovers. No specially constructed houses are necessary. There is no place better than in your regular hen houses. Sanitary Hovers are as practical for the small back-yard poultry raiser as for the large poultry farms. They are ready for business wherever placed. No crowding or smothering of chicks—no kneeling in mud to get at the lamp. You want the best brooding device—you will get it in the Sanitary Hovers. Price, \$8.50 each; by express or freight.

Six-in-One Exerciser Feeder

This Exerciser Feeder is just what its name implies. It is a large hopper supported on four strong iron legs and devised to hold all the food

necessary for poultry. The center hopper holds the mixed grain or scratch food and is so constructed that a little agitator, which contains whole corn as bate, can be worked by the fowls so that it will scatter broadcast a small amount each time of the dry grain mixture. It gives the hens the necessary exercise hunting for the grains so that it is impossible to overfeed. Surrounding this center hopper are six compartments made to contain dry mesh, beef scrap, grit, charcoal, oyster shells, etc. All are easily accessible for the fowls, and the machine is so constructed that none of the food can be wasted. This Exerciser Feeder has every advantage that can be found in an Exerciser of any kind. It eliminates all other feeding devices. Price, 40-qt., \$4.75; 20-qt., \$3.75; by express or freight.

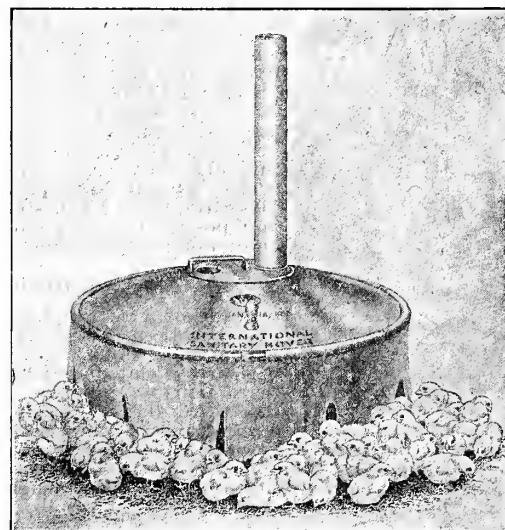


SIX-IN-ONE EXERCISE FEEDER

whole apparatus has one adjustable nut and not even a thermometer is necessary. It burns hard coal, is self-feeding and is guaranteed to run more than 24 hours in any weather on one filling of coal at an average cost of less than 6c per day. The coal is poured in at the top of the stove. It is fire-proof, and is so simple that a boy or girl can operate it. There is nothing to break or wear out.

It broods 15 or 1500 chicks with the same uniform results. The hover is so constructed as to throw the heat from the stove over the backs of the chicks. It is 52 inches in diameter. Guaranteed to accommodate 1500 newly hatched chicks.

The air is always pure and fresh. There is no damper or valve of any kind between the smoke stack and the fire draft. It is controlled by an ingenious device that makes them unnecessary. The fresh air is provided by the automatic action of the draft on the stove. All the air passes through the stove and is drawn in at the bottom so that the atmosphere under the hover is continuously changing. There is an opening at the top of the hover which is never closed so that any of the foul air arising from the chicks is carried off immediately. This brooder is sold on a 30 days' free trial. You write your own money back guarantee. Write for illustrated catalog. Price, \$15.00; by express or freight.



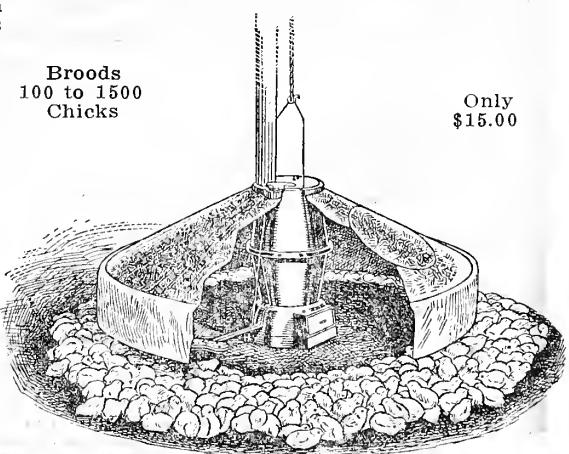
INTERNATIONAL SANITARY HOVER

“Standard” Colony Brooder

This type of brooder can be satisfactorily operated in any locality or under any conditions. The especially built coal-burning stove for brooding purposes is self-regulating. The

Broods
100 to 1500
Chicks

Only
\$15.00



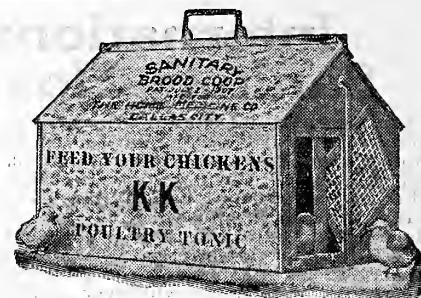
THE GREATEST COAL-BURNING BROODER EVER INVENTED

Poultry Supplies—Continued



HENFRIEND WATER FOUNT

Made of very best galvanized iron, cheap, practical and durable, protected from dirt, yet easy to clean; will not drown the chicks; easy to fill and carry as a pail. Keeps the water cool in summer. Filled with hot water in the morning will not freeze during the day in cold weather. A child can fill it. Price, $2\frac{1}{2}$ gal. size, postpaid, 75c; not postpaid, 60c. 1 gal. size, postpaid, 60c; not postpaid, 45c; $\frac{1}{2}$ gal. size, postpaid, 40c; not postpaid, 30c.



SANITARY BROOD COOP

Made of galvanized iron, it is mite, rat, weasel, mink and skunk proof. It can be taken down and put up in 40 seconds, the bottom can be removed for cleaning without taking the coop apart. It has three doors hung on one pivot; the first a slat door which lets the chicks out; the second, of one-half inch wire netting, for use on hot nights; the third door is of solid iron for cold and stormy weather. The coop is well ventilated but is entirely rainproof. It is approximately 18x24 inches square and 16 inches high. It can be carried with one hand to any convenient location. Price, each \$1.60; 6 for \$8.25; by express.



AUTOMATIC FEEDER AND FOUNTAIN

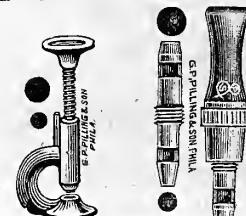
Feeds water, grain, grit, etc., automatically. Is easy to fill and operate. Just lift trigger, as shown in cut, which releases pan, clip remaining on jar, leaving pan without any obstruction, affording easy cleaning. Thus a sanitary fountain. Made to fit any Mason jar. We do not furnish jars. Price, postpaid, 20c; not postpaid, 15c; each. 2 for 35c postpaid; not postpaid, 2 for 25c; per dozen, postpaid, \$1.40; not postpaid, \$1.25.



STEARNS' NO. 17 POULTRY PUNCH

This little tool is for marking poultry by punching through the web between the toes. It is light and handy to carry in the pocket. Nickel plated. Price, 30c; postpaid.

POULTRY MARKERS



No. 1 No. 2
Either kind, 25c; postpaid

CONKEY'S POULTRY REMEDIES

Each article must satisfy or you receive your money back
Send 4c to pay postage, and get Big 50c Remedy Book Free!

By Express Collect

Roup Cure.....	\$0.50	By Express Collect	Lice Powder (small).....	\$0.25
Roup Cure.....	1.00		Lice Liquid (1 quart).....	.35
Bronchitis Remedy.....	.50		Lice Liquid ($\frac{1}{2}$ gallon).....	.60
White Diarrhoea Remedy.....	.25		Lice Liquid (1 gallon).....	1.00
Cholera Remedy.....	.25		Laying Tonic.....	.25
Cholera Remedy.....	.50		Laying Tonic.....	.50
Poultry Tonic.....	.25		Fly Knocker (1 quart).....	.35
Head Lice Ointment.....	.10		Fly Knocker ($\frac{1}{2}$ gallon).....	.60
Head Lice Ointment.....	.25		Fly Knocker (1 gallon).....	1.00



POULTRY MANUAL. By Frank L. Sewell and Ida E. Tilson. A safe guide to successful poultry culture in all its branches, fancy and practical breeding and feeding; diseases and remedies; how to make farm poultry pay, etc. 12 mo. 148 pp. Price, paper, 25c. (50th thousand.)

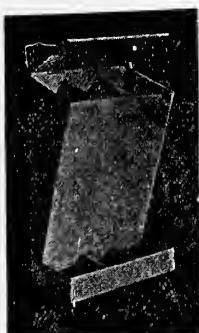
ALL OF THESE GOODS BY FREIGHT OR EXPRESS AT YOUR EXPENSE UNLESS POSTPAID
PRICES ARE GIVEN

Miscellaneous Supplies



NICKEL PLATED MILKING TUBES

Use for sore and obstructed teats and hard milking cows. 2-inch, 2½-inch, 3-inch long. Price, 30c each; postpaid.



LEADER ADJUSTABLE LEG BANDS



Dozen 15c; 25 for 25c; 50 for 40c; 100 for 65c; postpaid.

GRIT AND SHELL BOX

Large: 2 bins, by express, 75c
Small, 3 bins, by express, 50c

NO. 1 CLIPPER FANNING MILL

This is the small size of the fanning mill and seed separator used by all seedmen. It will separate small seed from large, take out light seed, straw and weeds all at one time. Is equipped with ten screens, will fan all kinds of grain seed. Send for large catalog of fanning mills. Price, complete \$21.00



THE MILK SUBSTITUTE

Blatchford's Calf Meal is for calves what Mellin's Food is for babies. Raises the finest calves at about half the cost of milk. Prevents scouring. By freight, 100 lb. bag (makes 100 gallons of rich, nutritious gruel), \$3.50; 50 lb. bag, \$2.00; 25 lb. bag, \$1.25. Try it and sell the milk.



MEDICATED NEST EGGS

Our Self-Dusting Medicated Nest Eggs are superior to any on the market, recommended and indorsed by a number of Agriculture Colleges. They will continually dust off onto the body of the fowls and penetrate the feathers and fluff, which is destruction of the vermin that is so prevalent among chickens. They will not glaze over or slack as will so many similar appearing nest eggs. They will last for months. Price, 7c each; 6 for 30c; postpaid. By express, 4c each; 15 for 50c.

PORCELAIN NEST EGGS

Made of Flint Glass. 6 for 25c; postpaid. By express, 2 for 5c; 25c per dozen.

LITTLE GIANT MOLE TRAP

Most simple and best trap on the market. Fully guaranteed to give satisfaction. Price, 75c each.



DOG CAKES

An especially prepared food for dogs, cats, rabbits, etc. Price, 25c.

BLATCHFORD'S



CALF MEAL

CALF DEHORNER

This comes in the shape of a pencil, and is very easily applied. Clip off the hair around the little horn at the time it feels like a button and before it starts through the skin. Dampen it a little with water, and rub it with the Dehorner material. This causes the horn to stop growing, and should be applied when the calf is from 5 to 10 days old. Enough for 25 or 30 calves, price 50c; postpaid.

SAVE YOUR CALVES



Raise Them Without Milk

Why throw away money by knocking them in the head or selling them for a dollar or two at birth when they can be raised and weaned WITHOUT MILK at a fraction of the cost of feeding milk. You profit both ways selling the milk and still have the calves.

The Best Milk Substitute to Use is

Ryde's Cream Calf Meal
TAKES THE PLACE OF MILK AT LESS THAN HALF THE COST

the most successful milk substitute on the market—the standard of perfection. Thousands of farmers are using it and cannot say enough for it. It is NOT a stock food—it's a complete food that long experience has proved to be right for rearing calves. It contains all the nutrition of milk prepared in the most digestible form and is sold on a money back guarantee to give results.

BOOKLET "MILKLESS CALVES" FREE

100 lbs. equal to 100 gallons milk—Try it on your calves.

Send for Illustrated Booklet—FREE

Watertown, Wis., June, 1914
Ryde & Co., Chicago, Ill.
Gentlemen—Above is a picture of our 6 month old calf, which fed on Ryde's Cream Calf Meal. I raised four calves this year and this is the only one that can't be beat.
(Signed) Alvin Beck

**ALL OF THESE GOODS
BY FREIGHT OR EX-
PRESS AT YOUR EX-
PENSE UNLESS POST-
PAID PRICES ARE
GIVEN.**

INDEX

Abromia	62	Charcoal	124	Geranium	65, 97	Mangel Wurzel	44, 45	Red Top	52
Achillea	73	Cherries	106	German Ivy	100	Marigold	66	Reeds	129
Aconitum	73	Chick Food	124	Gladoli	102	Marjoram, Sweet	17	Rhubarb	36
Acrolinum	62	Chives	12	Globe Amaranth (<i>Gomphrena</i>)	65	Market Gardener's Price List	40-41	Ricinus	68
Adiumia	73	Chrysanthemum	12	Godetia	65	Matricaria	80	Roses	92-96
Ageratum	62		64, 75, 98	Golden Elder	88	Matrimony Vine	102	Rubber Sprinkler	129
Agrostemma	62, 73	Cinnamon Vine	91	Golden Bell (See <i>Forsythia</i>)	86	Meadow Fescue	51	Rutabaga	38
Air Potatoes	102	Clarkia	64	Gypsophila	65, 78	Meat scraps	124	Sage	17
Alfalfa	46	Clematis	75, 91	Gooseberries	108	Medium Red Clover	48	Salpiglossis	68
Alfalfa Meal	124	Cleome	64	Gophergo	118	Midget Drill	121	Salvia (Flowering Sage)	68
Alfalfa Meal	124	Clethra	86	Gourds	71	Mignonette	66	Salsify	33
Almond, Flowering	85	Clovers	48, 112	Grapes	107	Milking Tubes	127	Savory, Summer	17
Alsike	48	Cobea	71	Grasses	51-52	Mill, Hand	127	Scabiosa	68, 83
Althea	85	Coxcomb	64	Grass Mixture	52	Millets	59	Scale Destroyer	117
Alyssum	62, 73	Columbine (See Aquilégia)	73	Greenhouse Pept	97-100	Milo Maize	61	Schizanthus	68
Amaranthus	62		64, 100	Grape Dust	118	Mint	17	Seed Drills	122
Anemones	73	Coleus	86	Grit	124	Mole Trap	127	Seed Sowers	122
Anthemis	74	Corus	86	Hand Planters	54, 122	Moon Flower	100	Sensitive Plant	69
Anchusa	73	Collard	7	Hand Weeder	121-122	Morning Glory	71	Shallu	60
Authirrhinum	62	Collections	39	Hardy Climbing Vines	90	Mourning Bride (See <i>Scabiosa</i>)	68, 83	Shasta Daisy	76
Antigonon	100	Coreopsis	75	Hardy Lillies	60	Mushrooms	17	Sheller, Corn	54
Aut Driver	113	Corn, Broom	51	Hardy Perennial Plants	44	Musk Melon	19-20	Shells, Crushed	124
Apples	104	Corn, Field	53, 54	Hardy Shrubs	54	Mustard	17	Shrub	85-91
Apricots	105	Corn, Kaffir	60	Hardy Roses	92-96	Nasturtium	66, 71	Small Fruits	107-111
Aristolochia	71	Corn Saver Beet	44	Hedychium	103	Nest Eggs	127	Smilax	69, 100
Aquilegia	73	Corn Salad	15	Helenium	78	Neon Shallu	60	Smoke Tree (See Purple Fringe)	88
Arsenate of Lead	117	Corn Planter	54	Helianthus (See Sunflower)	65	Nicotina	66	Snapdragon (See Autirrhinum)	69
Artemesia	74	Corn Sheller	54	Heliotrope	65	Nigella	66	Snowball	89
Asparagus	2	Cornucopia	86	Hemerocallis	78	Nursery Stock	104	Snowberry	88
Asters	63, 74	Cosmos	64	Himalaya Berry	111	Oats	56	Soap Tobacco	117
Azalea Mollis	85	Cow Peas	50	Hogchylum	103	Oxalis	102	Solidago	83
Baby's Breath (See Gypsophila)	65, 78	Crab, Flowering	86	Holanthus (See Sunflower)	65	Orange	100	Song Restorer	129
Bachelors Buttons	63	Crab Apples	105	Heliotrope	65	Paeonies	82	Sorghum	60
(See Centaurea)		Cress	11	Hemerocallis	78	Pansies	67	Soy Beans	50
Balloon Vine	71	Crinum Americanum	102	Himalaya Berry	111	Parsley	27	Speltz	61
Balsam	63	Crys-Co	124	Honeogerm	47	Parsnips	27	Spinach	33
Balsam Apple and Pear		Cucumbers	13	Humulus	71	Passion Flower	71	Sprayers	114-116
Barberry	71	Currants	108	Hores, Wheel	119-120	Peaches	105	Spray Mixtures	117
Barley	85	Currrant, Flowering	88	Horse Hoes	119-120	Peanuts	28	Squash	32, 33
Basket Materials	129	Cut Worm Killer	118	Horse Radish	16	Pears	105	Stocks	69
Beans	3, 4, 5	Cuttle Bone	129	Hottbed	20	Peas, Field	25, 26	 Stokesia Cyanæa	83
Bedding Plants	97	Cyclamen	61	Hovers	125	Peas, Field	50	Strawberries	110
Beef Scraps	124	Cydonia Japonica	86	Humogerm	47	Pencillaria	59	Sugar Beets	45
Beets	6, 44, 45	Cypress Vine	71	Humulus	71	Penstemon	80	Sudan Grass	58
Begonias	97	Dahlia	101	Humulus (See Humulus)	71	Peppers	28	Sulphur	124
Bellis	74	Daisy (See Bellis)	74	Iris	79	Petunias	69, 100	Sultania	66
Rhonda	91	Dandelion Killer	113	Iron Age Tools	119	Pepper Plants	7	Sumac	88
Billion Dollar Grass	59	Datum	64	Ivy, Boston	90	Pepper Grass, Cress	11	Summer Flowering Bubs	101, 102
Bird Seed	129	Dimorphotheca Au- rantica	65	Ivy, Kenilworth	66	Perennial Seeds and Plants	72	Summer Savory	17
Blackberries	109	Dianthus	65, 76	Ivies	66	Perfection Weeder	121	Sward Food	112
Bleeding Heart	75	Dicentra Spectabilis	75	Johnson Grass	52	Petunia	67	Sweet Alyssum	62, 73
Blood Meal	124	Dictamnus	77	Kale (Berecole)	16	Phloxes	68, 81	Sweet Clover	48
Blood Grass	52, 112	Digitalis	77	Kennelworth Ivy	66	Pinks (See Dian- thus)	65, 76	Sweet Corn	14-15
Bocconia Cordata	74	Dill	17	Kentuc'y Blue Grass	52	Planet Jr. Tools	120	Sweet Peas	70
Bordeaux Mixture	117	Dimorphotheca Au- rantica	65	Kherson Oats	56	Plant Food	129	Sweet Potatoes	29
Broadcast Seeders	122	Dolichos	71	Kochia (Summer Cypress)	66	Plants, Vegetables	7, 39	Sweet William	83
Broccoli	7	Dog Cakes	127	Kraffir Corn	60	Platycodon	80	Swiss Chard	33
Brooders	123, 125	Dogwood (See Cor- nus)	86	Kale (Berecole)	16	Plums	106	Syringa (See Mock Orange)	88
Brood Coop	125, 126	Drills	122	Kentuc'y Blue Grass	52	Polemonium	80	Tamarix	89
Bromus Inermus	51	Dusters	116	Kherson Oats	56	Pop Corn	15	Teosinte	59
Broom Corn	57	Dwarf	127	Kirkton Grass	52	Poppies	68, 81	Teary Beans	5
Brussels Sprouts	7	Elephant Ears (See Caladium)	102, 127	Klondike	61	Poppy, California	(See <i>Escholtzia</i>).. 65	Thyme	17
Buckwheat	57	Endive	15	Kudu Vine	102	Portulaca (Rose Moss)	67	Timothy	52
Buddleia	85	English Rye Grass	52	Lantana	66	Plant Food	129	Tobacco	38
Bug Death	117	Escholtzia	65	Larkspur	66	Plants, Vegetables	7, 39	Tobacco Dust	117
Burning Star (See Lychinis)	79	Everlasting Flowers	65	Lavender	17	Platycodon	80	Tobacco Soap	117
Butterfly Flower, (Schizanthus)	68	Engleman's Ivy	90	Lathyrus	79	Plums	106	Tomatoes	34-35-36
Cabbage	3, 9	Elephant Ears (See Caladium)	102, 127	Lawn Fertilizer	112	Polemonium	80	Poppy	83
Cabbage Plants	7	Endive	15	Lawn Grass	112	Popcorn	15	Poppy, California	83
Calendula	63	English Rye Grass	52	Lawn Hose	113	Potato	29	Portulaca (Rose Moss)	67
Caladium	102	Escholtzia	65	Lawn Roller	113	Potato	29	Pumpkins	29
Calf Meal	127	Feverfew	65	Lawn Sprinklers	113	Potato Supli's. 123, 127	126	Weights Farm Seed	57
Calf Dehorner	127	Finocchio	16	Leek	17	Primula	67	Whale Oil Soap	117
Calliopsis	63	Flax	61	Leg Bands	127	Privet	87	Wheat	55
Calycanthus	86	Flower Pots	103	Lime and Sulphur	117	Pruners	122	White Clover	48, 112
Campanula	74	Fly-Killer	126	Linum	79	Prunus Japonica	85	Wild Cucumber	71
Canada Blue Grass	52	Forget-Me-Not	80	Lobelia	66, 79	Rafnia	129	Wild Rice	58
Canary Bird Flower	71	Four-O'Clock	65	Lowland Mixture	52	Rape, Bird	129	Wistaria	129
Canary Seed	129	Forsythia	86	Lilac	87	Rape, Dwarf Essex	50	Wondering Jew (See Tradescantia)	100
Candytuft	63	Foxglove	77	Lilies	84	Raspberries	109	Xanthosoma	103
Cane	60	Fruit Trees	104-106	Lime and Sulphur	117	Rat Corn	118	Yucca	83
Canna	64, 101	Fruit, Small	107-111	Linum	79	Rattan	129	Zinnia	69
Cargana	86	Fungus	100	Lowland Mixture	66, 79	Red Clover	48		
Cardinal Climber	71	Gilia	77	Lucilia	87				
Carnation	75, 98	Gilia	65	Lonicera	87				
Carrot	10, 11	Globe Amaranth	12	Lupine	79				
Castor Bean (See Ricinus)	63	Glycophila	100	Lycoris	79				
Cauliflower	11	Huckleberry	100	Linocera	87				
Celariac	12	Funkia	77	Lupine	79				
Celery	12	Gilia	65	Lycoris	79				
Celery Cabbage	7	Globe Amaranth	12	Lycoris	79				
Celosia	64	Garden Implements	16	Maderia Vine	102				
Centaurea	64	Garden Implements	19-122	Magic Weeder	121				

Griswold Seed & Nursery Co., Lincoln, Nebr.

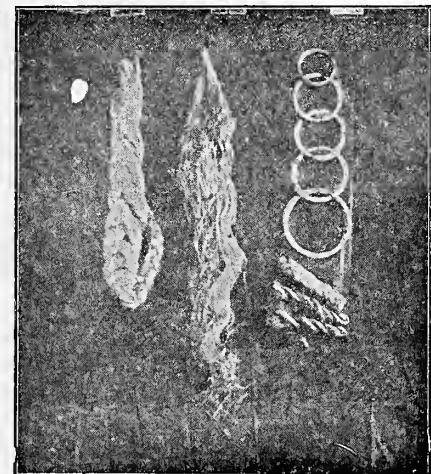
LENOX IMPROVED SPRAYER FOR INDOOR PLANTS

Just the Thing to Save the Plants



Anyone desiring to procure an excellent hand plant sprayer to spray the leaves upon indoor plants, to keep the insects off and otherwise keep them helpful, should send the 50c and receive one by return mail. This sprayer will spray under and over the leaves. A cake of tobacco soap to make this spray solution will be included.

Sent complete for 50c Postpaid

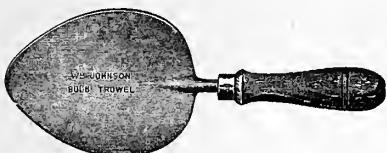


NU-REED

Owing to war conditions we have been unable to secure any more of the natural reed and have been forced to substitute Nu-Reed, a reed that has proven, from reports of our natural reed customers, very satisfactory. Send for samples and sizes.

By	By
Size	Ft. Price Mail
No. 1	30 \$0.05 \$0.06
No. 2	25 .05 .06
No. 4	20 .05 .07
No. 5	15 .05 .08
No. 6	12 .05 .08
Samples on application.	Needles 6 for.....
Basket-making instructions, postpaid.....	5c

Raffia	
Colored, per skein (about 2 oz.)	10c; by mail.....
Colored, 3 skeins, 25c; by mail.....	32c
Natural, per skein (about 3 oz.)	5c; by mail.....
Natural, per lb., 20c; by mail.....	28c
Natural, 6 pounds, \$1.00, by express at your expense.	



Bulb Trowel 50c, postpaid 60c.



TRANSPLANTING TROWELS. With steel blade, 25c; postpaid, 30c.

BIRD SEED

We carry a complete stock

CANARY. (Sicily.) Superior to all other varieties. In demand by all bird dealers and others who desire best grade of seed. 1 lb., 20c; 3 lbs., 50c. By mail, 1 lb., 30c; 3 lbs., 70c.

CUTTLE BONE. Important for canaries, parrots, and all seed eating birds. 2 for 5c. By mail, 4c each; 45c per dozen.

HEMP, RUSSIAN. A very rich, oily seed, much liked by all birds. Should be fed sparingly as it fattens the bird and injures the song. 1 lb., 15c; 3 lbs., 35c; by mail, 1 lb., 25c; 3 lbs., 55c.

RAPE. Very desirable to furnish variety. Many bird fanciers feed only canary and rape for regular diet of canary birds. 1 lb., 20c; 3 lbs., 50c. By mail, 1 lb., 30c; 3 lbs., 70c.

PLANT FOOD

Flowers are like people, their health depends upon their food. It must be nourishing, but not too rich to force growth and cause reaction. A chemically correct flower food for house plants is

Walker's Excelsior Brand

It has no odor whatever and can be used dry or dissolved in water for sprinkling. Use it and your flowers will flourish and their health will last. Small size (feeds 25 plants 6 months) 20c; postpaid, 30c; large size (enough for a year) 35c; postpaid, 45c.



CONCENTRATED TABLETS

A New Scientific Concentrated Fertilizer for Potted Plants and Vegetables

Takes the place of liquid manure. Used by dissolving in water. It starts the plants at once into healthy and vigorous growth and makes them bloom luxuriantly. Trial size box, sufficient for 10 house plants for 3 months 10c, postpaid. Regular size box, sufficient for 35 plants for 3 months, 25c, postpaid.



SONG RESTORER

It restores to their natural notes, birds which have lost their song from exposure to cold or excessive moulting. The use of one box will bring good results. Use in connection with their daily food, 25c, postpaid.

AMERICAN BIRD FANCIER

By D. J. Browne and Dr. Fuller Walker. Or how to breed, rear and care for song and domestic birds. All who own valuable birds, or wish to do so, will find the new Fancier indispensable. Illustrated, 116 pages. Paper, 50c.

Dipple, 25c
postpaid, 40c.



All steel, heavy shank, 50c; postpaid, 60c.



Plain 6-inch trowel, 10c; pos

of clean, pure Bird Seed

MIXED SEED FOR CANARIES. All clean in the proportions called for by experimenters. This you will find more economical. 1 lb., 15c; 4 lbs., 50c; 9 lbs., 25c; 4 lbs., 75c.

MAMMOTH RUSSIAN SUNFLOWER food for parrots. Very nutritious

large seed eating birds. Can be fed. Better order a year's supply.

freight, 1 lb., 15c; 2 lbs., 2

\$4.50; 100 lbs., \$8.50. By mail

PADDIA or UNHULLLED RICE in its natural state

parrots, red birds, etc.

\$1.00. By mail, 1 lb.

**COVER
COLLECTION**

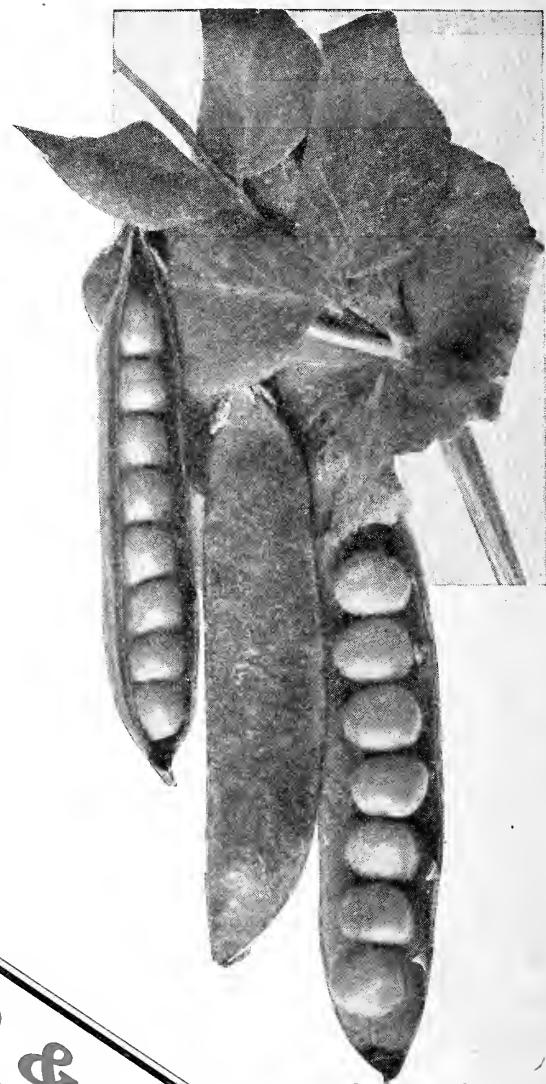
35 Cents Postpaid

1 Pint Peas.....\$.25
(Nott's Excelsior)

1 Pkt. Tomatoes .15
(John Baer)

1 Pkt. Corn..... .05
(Howling Mob)

Total.....**\$.45**



**Nott's Excelsior
PINT 25c
Page 25**

GRISWOLD SEED & NURSERY CO.
Lincoln, Nebraska



**"John Baer"
The Earliest Tomato
LARGE PKT. 15c
Page 34**